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2019-2020

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Leyden High Schools offer a comprehensive assessment program in the interest of providing better information to our students, families, and teachers as we plan together for each student's options beyond high school. Entering freshmen are placed into classes following the administration of the MAP examination and the PSAT 8, which is taken in the fall of 8th grade. Specific populations of freshmen and sophomores take the NWEA MAP Assessments which are nationally-normed tests that provide valuable information on areas of strength, areas targeted for improvement, and to demonstrate growth.

District 212 is committed to following the progress of each Leyden student. Our comprehensive assessment framework provides an ongoing tracking of individuals within academic programs to assure their maximum success at our school.

<table>
<thead>
<tr>
<th></th>
<th>8th Grade</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
</tr>
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<td>MAP as needed</td>
<td>MAP as needed</td>
<td>Accuplacer</td>
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<td>PSAT 8</td>
<td>PSAT 9</td>
<td>NMSQT</td>
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<td>Winter</td>
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<td>Spring</td>
<td>MAP as needed</td>
<td>PSAT 9</td>
<td>MAP as needed</td>
<td>SAT</td>
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**DUAL CREDIT**

*What is Dual Credit?*
A college course taken by a high school student for which the student is awarded both college and high school credit. Students who complete the necessary steps to enroll in Dual Credit will earn Honors Credit.

*How are Dual Credit courses offered?*
Courses are taught on Leyden's campus by a Leyden faculty member and are recognized by Triton College.

*How do I sign up?*
1. Discuss the option with your parents and counselor.
2. Sign up for any of the classes listed below.
3. Fill out a Triton student application.
4. Take the placement exam, if necessary.

<table>
<thead>
<tr>
<th><strong>Leyden Course</strong></th>
<th><strong>Triton Course</strong></th>
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<tbody>
<tr>
<td>ART 140 Graphic Design II</td>
<td>VIC 142 Introduction to Illustrator</td>
</tr>
<tr>
<td>ART 250 Photo II</td>
<td>VIC 161 Introduction to Photoshop</td>
</tr>
<tr>
<td>BUS 233 College Accounting Honors</td>
<td>ACC 101 Financial Accounting</td>
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<tr>
<td>BUS 383 Business Incubator</td>
<td>BUS Entrepreneurship</td>
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<tr>
<td>FCS 170 Human Development</td>
<td>ECE 146 Child, Family, and Community</td>
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<tr>
<td>FCS 260 Cuisine Chef</td>
<td>HIA 130 Culinary Arts Quantity/Food Preparation I</td>
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<tr>
<td>FCS 313 Preschool</td>
<td>ECE 153 Guiding Children and Managing the Classroom</td>
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<tr>
<td>FCS 323 Taste of Teaching I</td>
<td>EDU 105 Technology for Educators</td>
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<tr>
<td></td>
<td>EDU 110 Diversity of School and Society</td>
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<tr>
<td>FCS 333 Hotel and Travel Services</td>
<td>HIA 110 Introduction to Hospitality Industry</td>
</tr>
<tr>
<td></td>
<td>HIA 123 Introduction to Travel and Tourism</td>
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<tr>
<td>FCS 423 Taste of Teaching II</td>
<td>EDU 207 Introduction to Education</td>
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<tr>
<td></td>
<td>ECE 111 Introduction to Early Childhood Education</td>
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<tr>
<td>IND 123 PLTW IED Honors</td>
<td>ENT 110 Production Drawing</td>
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<tr>
<td></td>
<td>ENT 255 Intro Inventor</td>
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<tr>
<td>IND 183 Metals II</td>
<td>ENT 117 CNC I</td>
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<tr>
<td>IND 323 Autos II</td>
<td>AUT 112 Introduction to Automotive Technology</td>
</tr>
<tr>
<td>IND 383 PLTW POE Honors</td>
<td>ENT 100 Intro to Manufacturing</td>
</tr>
<tr>
<td>PEH 253 Physical Management</td>
<td>PED 106 Total Fitness</td>
</tr>
<tr>
<td>PEH 263 Junior/Senior Athletic P.E.</td>
<td>PED 106 Total Fitness</td>
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</table>
**DUAL ENROLLMENT**

*What is Dual Enrollment?*
A college course taken by a high school student on campus at Triton.

*How are Dual Enrollment courses offered?*
Courses are taught on Triton's campus by a Triton faculty member and are recognized by Triton College.

*How do I sign up?*
1. Discuss the option with your parents and counselor.
2. Sign up for the Dual Enrollment Course.
3. Attend the Dual Enrollment information meeting.
4. Fill out a Triton student application.
5. Take the placement exam, if necessary.
6. Students who earn a C or Better have 50% of tuition reimbursed.

**DUAL ENROLLMENT**
TDE 101, 102
Elective: Grades 11, 12
Prerequisite: None
Grade Weight: College Prep

This course gives students the opportunity to enroll in a college level course of their choosing at Triton College or online through Triton College. This allows students to get a head start on their postsecondary plan, and save money. Some students are granted an early dismissal based on their schedule and the course schedule. Students are required to attend an orientation meeting the first week of each semester. Students must earn a final grade of “C” or better to be eligible for a 50% tuition reimbursement. Contact the Director of Careers & Community Outreach (fholthouse@leyden212.org) for additional information.

**LEYDEN CO.LAB EXPERIENCE FOR FRESHMEN**

This program for incoming Freshmen is inclusive and open to all students who would have previously placed in Academy, College Prep, and Honors courses; including students with IEPs as determined by their IEP team. This program features an “earned” honors credit model, where within each core subject students will be able to demonstrate performance to honors level throughout the semester instead of credit being determined by initial placement.

Co.Lab is an abbreviation of “Collaborative.” Through participation in Co.Lab, students will become confident, creative problem-solvers in an interdisciplinary project based environment that fosters inquiry, leadership, communication, and reflection to help students discover their passions and advocate for their learning.

*Student Credits (4.5 credits, 4 periods a day)*

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Codes</th>
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<tbody>
<tr>
<td>English</td>
<td>ENG 1114, 1124</td>
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<tr>
<td>Social Studies (Global Studies)</td>
<td>SOC 1414, 1424</td>
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<tr>
<td>Science (Biology)</td>
<td>SCI 2514, 2524</td>
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<tr>
<td>P.E./Health</td>
<td>PEH 1014, 1124</td>
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<tr>
<td>Digital Literacy (integrated)</td>
<td>BUS 1704</td>
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<td>Course</td>
<td>Grade</td>
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<tr>
<td><strong>ART</strong></td>
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<tr>
<td>Art Survey</td>
<td>9, 10, 11, 12</td>
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<tr>
<td>Drawing I</td>
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<td>Drawing II</td>
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<tr>
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<td>Painting II</td>
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<tr>
<td>Advanced Art ☼</td>
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<tr>
<td>AP Studio Art ☼</td>
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<td>Ceramics I</td>
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<td>Ceramics II</td>
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<td>Ceramics IV</td>
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<tr>
<td>Photography II ☼</td>
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<tr>
<td>Photography &amp; Digital Video</td>
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<td>Graphic Design I</td>
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<td>Graphic Design II ☼</td>
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<tr>
<td>Animation &amp; Motion Graphics</td>
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<tr>
<td>Art Production ☼</td>
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<td><strong>BUSINESS</strong></td>
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<td>Digital Literacy</td>
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<tr>
<td>Sports &amp; Entertainment Mktg.</td>
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<tr>
<td>Entrepreneurship</td>
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<td>Mobile App Development</td>
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<td>Introduction to Business Accounting</td>
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<td>Video Game Design I</td>
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<td>Video Game Design II</td>
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<td>Coding &amp; Computer Repair</td>
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<td>Cybersecurity/Networking</td>
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<td>Tech Support Internship ☼</td>
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<td>Consumer Education *</td>
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<td>AP Computer Science Principles ☼</td>
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<td>AP English III Language &amp; Composition ☼</td>
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<td>English IV Journalism</td>
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<td>English IV Yearbook</td>
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<td>Pastry Chef</td>
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<td>Gold &amp; Bold Cafe</td>
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<td>Cuisine Chef</td>
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</table>

* Indicates Capstone or Advanced Placement Course
* Course Meets Consumer Education Requirement
### Mathematics
- **Principles of Algebra & Geometry**: 9, 10, 11, 12  | 1  | 49
- **Algebra I A**: 9  | 1  | 49
- **Algebra I Block**: 9  | 2  | 49
- **Advanced I**: 9  | 1  | 49
- **Advanced Algebra Honors**: 9  | 1  | 49
- **Algebra I B**: 10  | 1  | 49
- **Geometry Basic**: 10, 11, 12  | 1  | 49
- **Geometry Honors**: 10  | 1  | 49
- **Intermediate Algebra II**: 11, 12  | 1  | 50
- **Algebra II**: 11, 12  | 1  | 50
- **Advanced Algebra II w/ Precalculus Honors A**: 11  | 1  | 50
- **Precalculus Honors**: 12  | 1  | 50
- **Precalculus w/ Calculus A**: 12  | 1  | 50
- **Statistics & Applied Math**: 12  | 1  | 50
- **AP Statistics**: 12  | 2  | 68
- **AP Calculus**: 12  | 2  | 68
- **AP Computer Science A**: 12  | 2  | 68
- **Transition to College Algebra**: 11, 12  | 1  | 51

### Modern Languages
- **French I**: 9, 10, 11, 12  | 1  | 54
- **French II**: 10, 11, 12  | 1  | 54
- **French III**: 11, 12  | 1  | 54
- **French IV Honors**: 12  | 1  | 54
- **AP French Language & Culture**: 12  | 1  | 51
- **Spanish I**: 9, 10, 11, 12  | 1  | 54
- **Spanish I-Heritage**: 9, 10, 11, 12  | 1  | 54
- **Spanish II**: 9, 10, 11, 12  | 1  | 54
- **Spanish II-Heritage**: 9, 10, 11, 12  | 1  | 55
- **Spanish III**: 9, 10, 11, 12  | 1  | 55
- **Spanish IV Honors**: 9, 10, 11, 12  | 1  | 55
- **AP Spanish Language & Culture**: 10, 11, 12  | 1  | 55
- **AP Spanish Literature & Culture**: 12  | 1  | 55
- **Spanish & Latin American Film**: 11, 12  | .5  | 55
- **Italian I**: 9, 10, 11, 12  | 1  | 55
- **Italian II**: 9, 10, 11, 12  | 1  | 55
- **Italian III**: 9, 10, 11, 12  | 1  | 56
- **Italian IV Honors**: 11, 12  | 1  | 56
- **AP Italian Language & Culture**: 12  | 1  | 56

### Music
- **Concert Choir**: 9, 10, 11, 12  | .5  | 59
- **Bel Canto Chorale**: 9, 10, 11, 12  | .5  | 59
- **A Cappella Choir Honors**: 10, 11, 12  | .5  | 59
- **Varsity Choir Honors**: 10, 11, 12  | .5  | 59
- **Concert Band**: 9, 10, 11, 12  | .5  | 59
- **Symphonic Band Honors**: 9, 10, 11, 12  | .5  | 59
- **String Orchestra Honors**: 9, 10, 11, 12  | .5  | 59
- **Digital Music Production**: 10, 11, 12  | .5  | 60

- ☼Fourth Year Choir/Band courses qualify as Capstone.

### Physical Education
- **Freshman Health**: 9  | .5  | 63
- **Freshman PE**: 9  | .5  | 63
- **Sophomore PE**: 10  | .5  | 63
- **Sophomore Athletic PE**: 10  | .5  | 63
- **Driver Education & Safety**: 10, 11, 12  | .5  | 63
- **Junior/Senior PE**: 11, 12  | .5  | 63
- **Adventure Education**: 11, 12  | .5  | 64
- **Junior/Senior Athletic PE**: 11, 12  | 1  | 64
- **Physical Management**: 11, 12  | 1  | 64
- **Independent Study**: 11, 12  | .5  | 64

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- **Physical Science**: 9  | 1  | 67
- **Biology**: 9, 10  | 1  | 67
- **Biology Honors**: 9, 10  | 1  | 67
- **Chemistry**: 10, 11, 12  | 1  | 67
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- **Physics Honors**: 11, 12  | 1  | 68
- **Anatomy & Physiology**: 11, 12  | 1  | 68
- **AP Biology**: 11, 12  | 1  | 68
- **AP Chemistry**: 12  | 2  | 68
- **AP Physics I**: 11, 12  | 1  | 68
- **AP Physics II**: 12  | 1  | 68
- **Medical Careers**: 11, 12  | 1  | 68
- **Medical Careers Independent Study**: 11, 12  | .5  | 69
- **Earth Science**: 11, 12  | .5  | 69
- **Chemistry of Foods**: 11, 12  | .5  | 69

### Social Studies
- **Global Studies**: 9  | 1  | 72
- **Global Studies Honors**: 9  | 1  | 72
- **Civics**: 10, 11, 12  | .5  | 72
- **Law**: 10, 11, 12  | .5  | 72
- **Psychology**: 10, 11, 12  | .5  | 72
- **Economics Honors***: 10, 11, 12  | .5  | 72
- **Sociology Honors**: 10, 11, 12  | .5  | 72
- **AP U.S. Government & Politics**: 10, 11, 12  | 1  | 73
- **AP European History**: 10, 11, 12  | 1  | 73
- **AP Psychology**: 10, 11, 12  | 1  | 73
- **United States History**: 11  | 1  | 73
- **U. S. History American Studies**: 11  | 1  | 73
- **United States History Honors**: 11  | 1  | 73
- **AP United States History**: 11  | 1  | 73
- **Social Studies Seminar**: 12  | .5  | 74
- **Latin American Studies**: 10, 11, 12  | .5  | 74

### Additional Services
- ☼Indicates Capstone or Advanced Placement Course
- *Course Meets Consumer Education Requirement
GRADUATION REQUIREMENTS

A minimum of twenty-one (21) units of credit are required for graduation from Leyden High Schools.

The Board of Education supports a comprehensive high school educational program. All Leyden High School students have the opportunity to develop basic skills and expand their knowledge in both traditional and elective programs. Of the twenty-one units of credit required for graduation, the following basic requirements must be met:

English .........................4 credits
Mathematics .....................3 credits
Literacy .........................2 credits or demonstrated proficiency (Transfer students are exempt from the requirement for semesters not enrolled at Leyden High Schools.)
Science .........................2 credits (including 1 credit of Biology course and 1 credit of Physical Science or Chemistry)
Social Studies .................2.5 credits (1 credit of Global Studies, 1 credit of U.S. History, and .5 credit Civics)
*The successful completion of Civics or AP U.S. Government & Politics will satisfy the Constitution requirement.
Physical Education ..........4 credits
  a. Health Ed 1/2 credit (Health Education may be taken in lieu of Physical Education.)
  b. Students can be exempted from Physical Education if they:
     • participate in varsity athletics during their junior or senior year,
     • are in need of required credit to graduate,
     • need an additional course for admission to a particular college,
     • are medically excused by a physician. See counselor for details.
Fine & Applied Arts ........1 credit  (Courses taken in the Art, Business Education, Drama, Family & Consumer Sciences, Industrial Technology, Music, or Modern Languages departments satisfy this requirement.)
Digital Literacy ...............1/2 credit
Consumer Education ..........1/2 credit  (All students must successfully complete a semester course that meets the state requirement. This course is offered online during the summer. Students must take Consumer Education or Economics Honors as a junior or senior.)
Federal and State
Constitution Exam .............Each student must pass an examination on the federal and state Constitutions, Declaration of Independence, and the proper use and display of the American flag.
State Required Exam ..........Students are required to take the state required exam as a condition of graduation.

While counselors will assist students through the graduation requirement process, the ultimate responsibility for tracking accumulated credits and completion of graduation requirements lies with the student.

THE EXCELLENCE AWARD

This special recognition is what we believe, as a district, every one of our students should strive to achieve. Administrators, teachers, and most importantly, students met to establish eight different categories that define excellence at Leyden. We believe that if a student achieves all eight of these goals, they deserve special recognition and mention at the end of their high school career. At Leyden we are very excited that we will recognize our Excellence Award winners at graduation. We also believe that every student entering Leyden has the opportunity to earn the Excellence Award. The following eight categories will be used when determining recipients:

• Participate in two clubs, sports, and/or activities during their high school career
• Demonstrate community involvement by volunteering for 20 hours during their high school career
• Earn 24 credits
• Maintain a 2.5 non-weighted GPA
• Demonstrate good citizenship with no suspensions or athletic code violations
• Maintain a 95% attendance rate during junior and senior years
• Complete a Capstone or Advanced Placement course (includes any level IV language course and/or 4th year choir/band)
ADVANCED PLACEMENT (AP) AND CAPSTONE CLASSES

Advanced Placement and Capstone courses are a required criteria to earn the Excellence Award at Leyden High Schools. Advanced Placement and Capstone course are identified in the Course Planning Handbook with an ☼ symbol and are listed below.

Advanced Placement

Advanced Placement courses offer college-level curriculum with the opportunity to earn college credits by taking an AP exam through the College Board in the Spring. AP courses are taught by Leyden teachers. All public Illinois community colleges, colleges, and universities accept college credit for scores of a 3 or higher on an AP exam. Leyden High Schools offers more than 20 Advanced Placement courses. See each department section for descriptions of each AP course offered. For more information about Advanced Placement visit www.collegeboard.org.

Capstone Courses

Capstone courses are courses that culminate a pathway of study around a specialized topic or career pathway. Examples include level II or III or IV courses or courses that require prerequisites in a career pathway. Often times capstone course can lead to an industry credential, certification, or dual credit. See the course descriptions in each department for more information about the capstone courses that are offered.

Art
Advanced Art
AP Studio Art
Graphic Design II
Photography II
Art Production

Business Education
Technical Support Internship (TSI)
College Accounting Honors
AP Computer Science Principles

English
AP English II Seminar
AP English III Language & Composition
AP English IV Literature and Composition
AP English IV Research

Family & Consumer Sciences
Catering I
Fashion & Design III
Education Academy I

Industrial Technology
Autos II
Automotive Service
Introduction to Engineering Design Honors (PLTW)
Principles of Engineering Honors (PLTW)
Digital Electronics Honors (PLTW)
Metals II

Mathematics
AP Statistics
AP Calculus A/B
AP Computer Science A

Modern Languages
French IV Honors
AP French Language & Culture
Spanish IV Honors
AP Spanish Language & Culture
AP Spanish Literature & Culture
Italian IV Honors
AP Italian Language & Culture

Music
4th year Band/Choir/Orchestra/Color Guard

Physical Education
Junior/Senior Athletic P.E.

Science
AP Biology
AP Chemistry
AP Physics I
AP Physics II

Social Studies
AP U.S. Government & Politics
AP European History
AP Psychology
AP United States History
**FOUR YEAR PLAN**

<table>
<thead>
<tr>
<th>GRADE</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>ENGLISH</th>
<th>SOCIAL STUDIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Advanced Algebra Honors</td>
<td>Biology Honors</td>
<td>English I Honors</td>
<td>Global Studies Honors</td>
</tr>
<tr>
<td>10</td>
<td>Geometry Honors</td>
<td>Chemistry Honors</td>
<td>English II Honors</td>
<td>Economics Honors Sociology Honors AP European History AP U.S. Govt. &amp; Politics AP Psychology</td>
</tr>
</tbody>
</table>

**STUDENT-INITIATED PLACEMENT CHANGES**

**Freshmen:** Moves up in level will occur only at the semester, provided the student has documented this error in placement with outstanding achievement as determined by the teacher and department chair. Moves down in level will occur after the first progress report, provided that students have turned in a preponderance of homework, received extra help frequently from the teacher, and are deemed by the teacher and chair to be academically misplaced. Our intention is NOT to reward apathetic students with a path of less resistance; such movement should correct the original misplacement. Placement errors in mathematics may be addressed earlier, due to the sequential, linear nature of the curriculum. Extenuating circumstances in students' personal lives may create reasons for a shift downward. Those requests for level change originate on rare occasions with administrative approval.

**Grades 10, 11, 12:** Leyden's enrollment practices encourage students to select courses most appropriate for their academic success. Teacher recommendations, parental input, and counselor conferences are all important components of this selection process. After course selection is finalized in February, changes can occur based on availability of space in requested courses by following italicized guidelines below. If approved, the change will occur at the next most logical break.

*Moves up in level from Honors to Advanced Placement will be approved or denied based on the recommendations of teachers and the department chair. Due to the specific nature of curricular sequencing that supports high performance on the Advanced Placement Examination, these exceptional moves should be considered as early in the school year as possible without regard to quarter or semester breaks.*

*Moves down in level at times other than the semester will occur only when extenuating circumstances in a student's personal life create reasons for a shift or when a student has turned in a preponderance of homework, received extra help frequently from the teacher, and is deemed by the teacher and chair to be academically misplaced.*
If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial Eligibility Clearinghouse. It is your responsibility to ask your coach and counselor about these requirements and visit the NCAA website at NCAA.org.

The NCAA Eligibility Center has approved the following District 212 courses for use in establishing the certification of student athletes.

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th>SCIENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>English I, II, III</td>
<td>Biology</td>
</tr>
<tr>
<td>English Honors I, II, III</td>
<td>Biology Honors</td>
</tr>
<tr>
<td>English III American Studies</td>
<td>Chemistry</td>
</tr>
<tr>
<td>English IV Journalism</td>
<td>Chemistry Honors</td>
</tr>
<tr>
<td>English IV Yearbook</td>
<td>Physics</td>
</tr>
<tr>
<td>English IV Humanities</td>
<td>Physics Honors</td>
</tr>
<tr>
<td>English IV Media Studies</td>
<td>Earth Science</td>
</tr>
<tr>
<td>AP English III</td>
<td>Physical Science</td>
</tr>
<tr>
<td>AP English IV</td>
<td>AP Biology</td>
</tr>
</tbody>
</table>

| INDUSTRIAL TECHNOLOGY       | AP Chemistry                   |
| Principles of Engineering Honors (PLTW) | AP Physics               |
| Digital Electronics Honors (PLTW) |                          |
| Intro. to Engineering Design Honors (PLTW) |                          |

<table>
<thead>
<tr>
<th>MATH</th>
<th>SOCIAL STUDIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra I &amp; II</td>
<td>Global Studies</td>
</tr>
<tr>
<td>Algebra I A</td>
<td>Global Studies Honors</td>
</tr>
<tr>
<td>Algebra I B</td>
<td>Civics</td>
</tr>
<tr>
<td>Algebra I &amp; II Honors</td>
<td>Law</td>
</tr>
<tr>
<td>Geometry</td>
<td>Psychology</td>
</tr>
<tr>
<td>Geometry Honors</td>
<td>Economics Honors</td>
</tr>
<tr>
<td>Precalculus</td>
<td>Sociology Honors</td>
</tr>
<tr>
<td>Precalculus Honors</td>
<td>United States History</td>
</tr>
<tr>
<td>AP Computer Science A</td>
<td>American Studies</td>
</tr>
<tr>
<td>AP Statistics</td>
<td>United States History Honors</td>
</tr>
<tr>
<td>AP Calculus A/B</td>
<td>Social Studies Seminar</td>
</tr>
</tbody>
</table>

| MODERN LANGUAGES            | Senior Seminar                |
| French I, II, III, IV, V    | AP European History          |
| Italian I, II, III, IV, V   | AP Psychology                 |
| Spanish I, II, III, IV      | AP U.S. Government & Politics|
| Spanish Heritage I & II     | AP U.S. History               |
| AP Spanish V & VI           |                                |

Special Education and ELL courses aligned to the above are also NCAA approved.
skills, concepts, and understandings of various subject disciplines, but also enables them to mature socially, emotionally, physically, and mentally. For many, high school will be the last opportunity to prepare themselves for the world of work, a post-high school education, and citizenship. Thus, the early graduation option should be chosen only after much thought and deliberation, and only by the small number of students whose specific needs can best be met by choosing this option.

Any student who decides to withdraw from school in order to complete their studies at Triton or another institution will not be considered as an early graduate. The student electing this option may not participate in school-wide events such as the prom, senior class pictures, senior party, etc. Please see your counselor for details about Triton courses that meet graduation requirements.

**GRADE WEIGHTING AND CLASS RANK**

Starting with the Class of 2022, Leyden High School District 212 will no longer calculate or report class rank. Leyden will continue to calculate a weighted and non-weighted grade point average (GPA). GPA grade weights are calculated as follows:

<table>
<thead>
<tr>
<th>Course Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Placement</td>
<td>5.0</td>
<td>4.5</td>
<td>3.5</td>
<td>1.5</td>
<td>0</td>
</tr>
<tr>
<td>Honors</td>
<td>4.5</td>
<td>3.5</td>
<td>2.5</td>
<td>1.0</td>
<td>0</td>
</tr>
<tr>
<td>College Prep</td>
<td>4.0</td>
<td>3.0</td>
<td>2.0</td>
<td>1.0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Class of 2020 and 2021:**

Ranking of students is determined at the conclusion of each of the first seven semesters and final rank will be determined after eight semesters. After summer school grades have been submitted, another ranking is calculated in September to reflect grades earned during summer school. Academic awards will be determined after seven semesters. Rank is calculated as follows:

**WEIGHTED CLASS RANK**

Weighted class rank is calculated by summing grade weights for all courses, dividing by the credits attempted, and ranking highest to lowest. Grade weights will be assigned according to the following:

<table>
<thead>
<tr>
<th>Course Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Placement</td>
<td>5.0</td>
<td>4.5</td>
<td>3.5</td>
<td>1.5</td>
<td>0</td>
</tr>
<tr>
<td>Honors</td>
<td>4.5</td>
<td>3.5</td>
<td>2.5</td>
<td>1.0</td>
<td>0</td>
</tr>
<tr>
<td>College Prep</td>
<td>4.0</td>
<td>3.0</td>
<td>2.0</td>
<td>1.0</td>
<td>0</td>
</tr>
</tbody>
</table>

**NON-WEIGHTED CLASS RANK**

Non-weighted class rank of students is calculated by summing grade weights for all courses, dividing by the credits attempted, and ranking highest to lowest. Grade points used in this calculation:

A=4; B=3; C=2; D=1; F=0.

**HONOR ROLL**

In order to recognize student achievement at all ability levels, a semester Honor Roll will be calculated. The Honor Roll will be
calculated separately from class rank and will have no impact on the weighted ranking.

To assure that all students have the opportunity to have their work recognized, an unweighted 4.0 grading scale will be used. The Semester Honor Roll will be published and calculated in the following manner:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Honors</td>
<td>4.0 to 3.70</td>
</tr>
<tr>
<td>Honors</td>
<td>3.69 to 3.00</td>
</tr>
</tbody>
</table>

**COURSE LOAD**

The minimum course load for students in grades 9, 10, 11, and 12 is five credits per year which includes one credit in Physical Education. Performance music courses can be counted as part of the five credits per year. However, no more than four credits of performance music can be counted toward the minimum of twenty-one credits required for graduation.

1. Registering for seven classes does not guarantee that students will actually be assigned to seven classes.
2. Seniors may register for more than seven credits.

**CLASSIFICATION OF STUDENTS**

Leyden High School District 212 classifies students as freshmen, sophomores, juniors, and seniors based on credits earned rather than years of attendance. This system allows the district to report out more faithfully our students’ actual progress as they move through the high school curriculum.

The chart below displays the range of credits that will determine grade classification. Classification for the 2020-2021 school year will be determined at the conclusion of semester one and the conclusion of the 2020 summer school session.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRESHMAN</td>
<td>Less than 5.5 credits</td>
</tr>
<tr>
<td>SOPHOMORE</td>
<td>5.5 credits or greater</td>
</tr>
<tr>
<td>JUNIOR:</td>
<td>11.00 credits or greater</td>
</tr>
<tr>
<td>SENIOR:</td>
<td>16.5 credits or greater and SAT</td>
</tr>
</tbody>
</table>

**REPEATING FAILED COURSES REQUIRED FOR GRADUATION**

Students who fail a course required for graduation may repeat it once during the regular school year. Quarter courses may be repeated during the same academic year in which the failure occurred. Students may additionally fulfill the credit during summer school, at Triton, through online credit recovery, or through another approved accredited program, per Board Policy 6:310. Students must gain the approval of the counselor prior to enrolling in alternative courses in order to apply earned credits toward graduation. Online credit recovery enrollment during the school year is conditional upon counselor’s approval, approval of the Director of Curriculum and Instruction, and available seats.

**DRIVER EDUCATION REQUIREMENTS**

Illinois law now requires that any high school student who wishes to enroll in Driver Education must have passed a minimum of eight semester courses in the previous two semesters to be eligible to enroll in the course. Students who violate the Board of Education policies regarding substance abuse will not be permitted to participate in Leyden Driver Education until the fall of the student’s junior year. The behind-the-wheel portion of Driver Education is offered in the summer.

**IHSA EXTRACURRICULAR ACTIVITIES NO PASS/NO PLAY**

Illinois High School Association Extracurricular Activities

All Leyden High School students' academic eligibility to participate in athletic extracurricular activities will be determined by the Illinois High School Association (IHSA) as delineated in the IHSA guidelines. Such students shall be required to maintain an equivalent grade point average.

1. Students shall be doing D or better work in at least 2.5 credit hours (five classes) of high school work per semester or be earning the equivalent grade point average.
2. Students shall have, unless they are entering high school for the first time, credit on the school records for 2.5 credit hours of high school work for the previous semester. Such work shall have been completed in the semester for which a grade is granted or in a recognized summer school program which has been approved by the Board of Education and for which graduation credit is received.
3. Credits earned in community college, college, university, or correspondence courses will be accepted for graduation requirements if approved by the Board of Education.
4. Student ineligibility will start as soon as grades are issued or the day after a performance, whichever is later. Ineligibility will be for the semester.
5. Student eligibility will begin as soon as grades are issued.

**COLLEGE ENTRANCE RECOMMENDATIONS**

Because colleges have a variety of entrance requirements, parents and students should review specific prerequisites in the latest catalog from a specific college/university or at the college/university website.

Students planning to enter a four-year college or university (or
a community college transfer program) should complete the following **minimum** course of study:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Minimum Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 years</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4 years</td>
</tr>
<tr>
<td>(Including Algebra, Geometry, and Advanced Mathematics courses)</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>3 years</td>
</tr>
<tr>
<td>(Laboratory Science classes such as Biology, Physical Science, Chemistry, and Physics)</td>
<td></td>
</tr>
<tr>
<td>Social Studies</td>
<td>3 years</td>
</tr>
<tr>
<td>(Emphasizing History and Government)</td>
<td></td>
</tr>
<tr>
<td>Modern Languages, Fine and Applied Arts, or Music</td>
<td>2 years</td>
</tr>
<tr>
<td>(May include one year of Business, Family &amp; Consumer Sciences, or Industrial Technology)</td>
<td></td>
</tr>
</tbody>
</table>

**ADVANCED PLACEMENT TESTING POLICY**

Students enrolled in Advanced Placement classes are required to take the official Advanced Placement exam from the College Board. The official Advanced Placement test must be taken in order to earn AP grade weight. The test fee is $20 per exam for ALL students. Students must register for the test by November 15, per College Board Policy.

1. Students are not required to take a semester two final exam.
2. Students who take the official AP exam will have their grade computed as follows: second semester class work = 100%
3. Students who are absent on the test date will be charged a $15 test-return fee and a $45 exam alternate test date fee. Students who are absent on the alternate test date will be charged a $15 test-return fee.

**AUDITING COURSES AND AUDIT GRADES**

Students under the age of 17 may enroll at Leyden High Schools at any time during the semester. If the student enrolls after 14 school days from the beginning of the semester, the student must audit the class for the duration of the semester. If the student enrolls during first semester and before the end of the second progress report, he or she may receive credit if 1) he/she receives an A or B during the audited semester and 2) he/she receives an A or B during the second semester.

**CLEP® EXAM DESCRIPTIONS**

**College-Level Examination Program**

CLEP examinations cover material taught in courses that most students take as requirements in the first two years of college. A college usually grants the same amount of credit to students earning satisfactory scores on the CLEP examination as it grants to students successfully completing that course.

**GED INFORMATION**

Students may receive a GED certificate through Triton College. Courses preparing students for the GED test may be offered through Triton Continuing Education Program. Information about this program can be obtained through Triton's GED Office. The Triton College phone number is (708) 456-0300, extension 3259.

**EXTENSION, ONLINE, OR CORRESPONDENCE STUDY**

Students may earn credit to meet the requirements for graduation through correspondence courses, extension study courses, or online courses. Such credit must be earned through the satisfactory completion of courses offered by an accredited college or university extension division. These colleges must be accredited by NCA AdvancED or its equivalent and the Illinois State Board of Education.

A maximum of three units of credit from these programs may be counted toward meeting graduation requirements except for special circumstances as approved by the Director of Curriculum and Instruction. Credits earned through approved online and offsite courses may not be used towards early graduation unless special approval is given by the Director of Curriculum and Instruction.

**FRESHMAN ACADEMY**

Leyden requires a six-week academy experience for incoming freshmen who demonstrate needed support to improve reading and/or math skills. This course is mandatory for identified students, based on 8th grade placement scores. During the course of the five-hour day, students receive intensive, small-group instruction in English and/or Mathematics as well as familiarization with the Leyden staff, facilities, and expectations that lead to success in high school. Identified students will be contacted during the spring semester of their 8th-grade year. Students will earn .50 credit.

**SYSTEM OF SUPPORTS**

Leyden High Schools support students who demonstrate a need for additional support with a structured study in the student's schedule and/or additional mandatory intervention or structured study during Eagle time on non-Advisory days.

**INDEPENDENT STUDY AGREEMENTS**

Independent Study Agreements (contracts) are available for students who have a sufficient degree of maturity and self-motivation to pursue a non-listed course with a minimum of...
direct teacher contact time. Please see your counselor for details. Only one credit per year may be obtained by this method and may be applied toward graduation.

**LITERACY REQUIREMENT**

Literacy is designed for students who need to accelerate their development of reading and study skills. Enrollment in this course is required for students whose 8th grade placement test scores indicate a need for reading improvement. Students who have not demonstrated reading proficiency are required to continue in Literacy. Transfer students are exempt from the requirement for semesters not enrolled at Leyden High Schools.

**SUMMER SCHOOL**

Summer courses are offered to students who wish to make up credits or take enrichment classes. Most classes meet for 24 days, 2.5 hours daily, mid-June to the end of July. Program fees and additional course information for credit recovery and enrichment will be included in the summer school brochure.

**STUDENT AIDE PROGRAM**

Qualified students are encouraged to perform a variety of services in the school during their non-class hours. Such services would include aid given to certificated and paraprofessional staff in many areas of the school. No academic credit is awarded for participation.

**SPECIAL EDUCATION SERVICES**

Individualized special education services are available to students based on an eligibility determination for such services. A continuum of service models are available to support students ranging on campus from consultative services to self-contained settings and programs. All programs place an emphasis on post-high school outcomes, student achievement, positive behavior supports, self-advocacy, and relationships within school and community. Levels of support for each student are determined as part of the Individualized Education Planning process. For more information please contact the department chair for special education.

Rebecca Burger, Department Chair - (847) 451-5575
Joe DeGiulio, Department Chair - (847) 451-3171
Meghan O'Neil, Department Chair - (847) 451-3187

**TRANSFER STUDENT INFORMATION**

When a student transfers to Leyden and a transcript from an accredited institution verifies courses and grades from another school, grade weight will be awarded according to the course title. The Director of Curriculum and Instruction will determine grade equivalents for transcripts which employ unfamiliar or unusual systems. A "P" (Pass) grade will be equated to a "C." Transfer students will receive no more than seven (7) credits per academic year.

In the case of a transfer student from an unaccredited institution or a home-school environment, a proficiency test will be administered to determine the number of credits to be awarded in core academic areas. Subsequently, only Leyden courses will affect the calculation of class rank.
ART
The Art Department has a comprehensive program that allows students to express themselves artistically in a variety of areas. One year of art meets the Fine Arts requirement toward high school graduation.

**ART SURVEY**

**ART 100**
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep

This introductory art course is designed for students interested in trying out all the different art classes we have at Leyden. We'll explore painting, drawing, t-shirt printing, ceramics, photography, and computer art.

**DRAWING I**

**ART 110**
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep

Drawing I is an introductory drawing class where students learn drawing tips and tricks that really improve their drawing skills. Students create a variety of drawings using colored pencil, pencil, pen & ink, and pastel. This is a great starting point for any other art courses.

**DRAWING II**

**ART 200**
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: Drawing I
Grade Weight: College Prep

Students expand on their drawing skills and try out lots of new materials, including spray paint, charcoal, and scratchboard. Projects have increasing freedom and students are encouraged to put their own interests into their artwork.

**PAINTING I**

**ART 260**
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: Drawing I
Grade Weight: College Prep

Students transfer their drawing skills to create realistic paintings. Students experiment in acrylic paint and watercolor to create landscapes, large-scale paintings of animals, and other subjects. A field trip to the Art Institute of Chicago and painting on actual objects such as skateboard decks, shoes, and lamps offer creative opportunities as well.

**PAINTING II**

**ART 270**
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Painting I
Grade Weight: College Prep

Painting II is a more advanced study in painting. Students will focus on one type of paint in order to study that media in depth. Classic subjects will be investigated, including the figure, landscape, and portraiture.

**ADVANCED ART ☠**

**ART 301, 302, 303**
Elective: Grades 11, 12 One Credit
Prerequisite: Two semester hours of 2D art classes
Grade Weight: College Prep

This year-long class will help students develop their own art portfolios. Students create advanced level realistic and creative paintings, drawings, and mixed media artworks. Field trips such as sidewalk chalk drawing, the Art Institute of Chicago, or the Chicago Gallery District help students develop their own artistic voice.

**AP STUDIO ART ☠**

**ART 361, 362, 363**
Elective: Grades 11, 12 One Credit
Prerequisite: Three semester hours of art are suggested and instructor recommendation is needed.
Grade Weight: Advanced Placement

This year-long class offers college credit for creating a portfolio of artwork, which includes a series of works that is based on a theme each student chooses for themselves. Instead of a test at the end of the course, students submit the artwork they have created throughout the year. Students can choose to work in any media, including photography, graphic design, painting, drawing, ceramics, sculpture, or mixed media. See the Advanced Placement Testing Policy on page 14.

**CERAMICS I**

**ART 210**
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep

Students gain a basic understanding of how to work with clay. Students learn fundamental construction methods including coil, slab, and sculpting. Students also learn glazing techniques and how to express creative ideas in clay.

**CERAMICS II**

**ART 220**
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Ceramics I
Grade Weight: College Prep

Students are introduced to the potter's wheel and more advanced building and surface decoration techniques. The focus shifts to combining building techniques for a more creative result. Cohesive, well-built, and visually pleasing work is emphasized.
CERAMICS III
ART 230
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Ceramics II
Grade Weight: College Prep
In Ceramics III, students work through open-ended projects that allow students to determine their own creative direction. Students may choose a specific area of interest such as sculpting, handbuilding, or wheel-throwing. Students are also encouraged to develop a theme or other common element that unites their work over the course of the semester.

CERAMICS IV
ART 240
Elective: Grades 11, 12 One-Half Credit
Prerequisite: Ceramics III
Grade Weight: College Prep
Students have the opportunity to develop their own area of interest, which is determined through collaboration with the teacher. Additionally, students will gain knowledge in ceramic studio management techniques which can prove helpful in setting up their own ceramic studio after graduation.

PHOTOGRAPHY I
ART 120
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
Students gain an in-depth understanding of a digital camera. They will explore the automatic digital camera as well as use the DSLR. Students work in Photoshop to correct photographs, learn the basics of photography, and apply the elements of art to their work. Students must have a phone or camera that takes digital pictures.

PHOTOGRAPHY II ☼
ART 250
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Photography I
Grade Weight: College Prep / Honors
Students increase their knowledge of camera techniques, photo editing, and retouching. They use personal interests for subject matter and may explore the following shooting styles: documentary, fashion, nature, and advertising photography. Students use Photoshop to craft and edit their personal images. This is a dual credit course. Students can receive college credit for successful completion of this course and is eligible to earn Honors grade weight.

PHOTOGRAPHY AND DIGITAL VIDEO
ART 290
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Photography I or Graphic Design I
Grade Weight: College Prep
Students will expand their knowledge of photography by exploring digital video. Students will work with YouTube, Adobe Premiere, Video Art, and Vine. Projects include cinemagraphs, music videos, documentary films, instructional videos, and photojournalism reporting.

GRAPHIC DESIGN I
ART 130
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
Create art on a Mac computer using Photoshop and Illustrator. Students create CD covers, posters, cartoon characters, and photo collages. This is a great class for students who are interested in creating images for the web.

GRAPHIC DESIGN II ☼
ART 140
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Graphic Design I
Grade Weight: College Prep
In this advanced digital imaging course, students continue to experiment with Photoshop and Illustrator. By combining both programs, students create graphic projects modeled after the type of work created and used in the commercial design industry such as movie posters, graphic t-shirt designs, and package designs. This is a dual credit course. Students can receive college credit for successful completion of this course and is eligible to earn Honors grade weight.

ANIMATION AND MOTION GRAPHICS
ART 150
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Graphic Design I
Grade Weight: College Prep
Students utilize the Adobe programs Photoshop, Illustrator, and After Effects to create dynamic multimedia motion graphics and animations. Students will create moving digital designs like those in commercial advertising and electronic media. This class would be beneficial to students interested in production media.

ART PRODUCTION ☼
ART 280
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Graphic Design II, Photography II, or Animation & Motion Graphics
Grade Weight: College Prep
This semester-long class provides an opportunity for students to solve real world art and design problems. Students will gain hands-on experience working in an artist-client relationship while creating school related products, commissioned by school faculty. This project based learning curriculum allows students to improve their critical thinking, problem solving, collaborative skills, and creativity. This entrepreneurial environment allows students to take the lead in projects and the teacher to act as a guide. Possible projects will cover all areas of digital art, including: photography, image editing and printing, video creation and editing, logo design and animation, digital presentations, brochures, programs, posters, and infographics. Students role on the projects will be based on the expertise gained in previous courses. Students will also gain Adobe Certification during the course of the semester. Students will be graded on product quality, client feedback, and teacher evaluation.

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BUSINESS EDUCATION
## Business Education
### 2020-2021

#### Interested in...
**Business, Marketing, Finance, and Management**

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Digital Literacy</td>
<td>9-12</td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td>9-12</td>
</tr>
<tr>
<td>Sports and Entertainment Marketing</td>
<td>9-12</td>
</tr>
<tr>
<td>Introduction to Business and Accounting Systems</td>
<td>10-12</td>
</tr>
<tr>
<td>College Accounting Honors <em>(Dual Credit Course)</em></td>
<td>11-12</td>
</tr>
<tr>
<td>Consumer Education</td>
<td>11-12</td>
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<tr>
<td>Business Incubator <em>(Dual Credit Course)</em></td>
<td>11-12</td>
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<tr>
<td>Cooperative Work Program <em>(eligible for early release from school)</em></td>
<td>12</td>
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#### Interested in...
**Computer Programming and Software Design**

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<tr>
<td>Digital Literacy</td>
<td>9-12</td>
</tr>
<tr>
<td>Coding and Computer Repair</td>
<td>10-12</td>
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<tr>
<td>AP Computer Science Principles</td>
<td>10-12</td>
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#### Interested in...
**Gaming and Mobile Apps**

<table>
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<tbody>
<tr>
<td>Video Game Design I</td>
<td>10-12</td>
</tr>
<tr>
<td>Video Game Design II</td>
<td>10-12</td>
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<tr>
<td>Mobile App Development</td>
<td>10-12</td>
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#### Interested in...
**Computer Hardware**

<table>
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<tbody>
<tr>
<td>Coding and Computer Repair</td>
<td>10-12</td>
</tr>
<tr>
<td>Cybersecurity/Networking</td>
<td>10-12</td>
</tr>
<tr>
<td>Technical Support Internship</td>
<td>10-12</td>
</tr>
</tbody>
</table>
The Business Department offers a curriculum that is relevant and reflects the needs and trends of the current workplace. Students have the opportunity to study basic business applications such as accounting and marketing. An honors college-level accounting course is offered to students who are thinking about pursuing a career in business and planning to have a college major in business or accounting. For students who aspire to one day own their own business, the department offers a course in entrepreneurship. The ever-growing, high-demand, high-paying industry in technology is our specialty. Students are introduced to the department when they enroll in digital literacy which ensures that students understand how to use applications for networking, video game design, coding & computer repair, AP computer science principles, and tech support internship. A variety of industry-recognized certifications are achievable in our advanced skill courses. Our goal is to prepare students for college and careers that lead to success and personal satisfaction.

* Indicates course meets consumer education requirement.

**DIGITAL LITERACY**
BUS 170
Required: Grades 9, 10 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
This course is an introduction to using an electronic device to be a good digital citizen and develop the ability to use technology responsibly. The curriculum is organized using an online management system to teach students how to become online learners. The evolving curriculum in this course matches the rapid changes of technology in the world of work. Upon completion of this course, students will be able to identify the benefits and risks of sharing online, explore the legal and ethical dimensions of respecting creative work, determine source reliability and understand why technology and their personal digital footprint are important forces in our society. Students will learn about appropriate and effective communication for a variety of purposes and audiences, use technology to solve problems, and recognize the rights and responsibilities of living in an interconnected digital world. This course meets the Digital Literacy graduation requirement.

**SPORTS & ENTERTAINMENT MARKETING**
BUS 180
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
Sports and Entertainment Marketing is a course designed to teach marketing concepts as they apply to the sports and entertainment industry. Students will learn how marketing has become a powerful tool that has allowed the United States economy to become highly successful internationally. This course explores the basic principles of marketing such as the creation of concepts, strategies, and the development of marketing plans. Students learn about the components of the marketing mix, target marketing, sponsorship, event marketing, promotions, proposals, execution of planning and social media.

**ENTREPRENEURSHIP**
BUS 190
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
Entrepreneurship will allow students to apply the procedures and techniques of owning and running a business through a student start-up business. Through a business simulation, students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word processing, spreadsheets, database management, presentation software, and desktop publishing. This course is designed to provide students with an opportunity to recognize and develop their entrepreneurial attitudes, skills, and values, and to strengthen their connection to the world of work by increasing their employability and transition skills. Business terminology, basic entrepreneurship concepts, and fundamental operating principles are emphasized. Students will link their classroom experience, which centers on project-based learning, studying successful entrepreneurs, past and present, and the culminating project of creating a successful business plan.

**MOBILE APP DEVELOPMENT**
BUS 240
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
"There’s an app for that.” Not only have Apple iOS apps become a natural and essential part of our daily lives, but software development careers are some of the most highly paid in a fast-growing job market. Over the course of a semester, students will learn professional software design using the Swift programming language. Beginning with the fundamentals, students will be guided through the development of a variety of apps of growing complexity, culminating in the development of a custom app of their own design. This class will Prepare students to plan, design, create, and maintain applications. Students will work in a project-based environment to create a working application. This class may also prepare students to plan, design, create, and maintain web pages and sites. Students will learn the fundamentals of web page design using HTML, HTML editors, and graphic editors as well as programming tools such as JavaScript. Students will work in a project-based environment to create a working website.

**INTRODUCTION TO BUSINESS & ACCOUNTING SYSTEMS**
BUS 261, 262, 263
Elective: Grades 10, 11, 12 One Credit
Prerequisite: None
Grade Weight: College Prep
Introduction to Business & Accounting Systems teaches students how to understand the financial language that is used in every business in all industries. Students learn how companies keep financial records and use this information to make business decisions. Emphasis is placed on preparing for a successful career no matter which career
path a student chooses to follow. Students will also become familiar with computerized accounting software, including spreadsheets, and the practical uses of these programs in every business.

VIDEO GAME DESIGN I
BUS 250
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
This class provides a complete understanding of the technological and creative aspects of video game design in an easy-to-follow format. Students will have the opportunity to learn all aspects of the creative, business, and technological components required to launch a new video game. Students will develop mastery in hard skills of art, science, and technology as they relate to computer programming. Character design and programming will be emphasized, along with the skills to edit and create animated text, graphics, images, video and sound. In addition, students will learn how to design, implement and test game levels. Students will develop an initial portfolio project that demonstrates their game design projects.

VIDEO GAME DESIGN II
BUS 260
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Video Game Design I
Grade Weight: College Prep
This class provides a complete understanding of the technological and creative aspects of video game design in an easy-to-follow format. Students will have the opportunity to learn all aspects of the creative, business, and technological components required to launch a new video game. Students will build on the skills learned in Video Game Design I to create more advanced video games. Character design and programming will be emphasized, along with the skills to edit and create animated text, graphics, images, video and sound. Students will develop mastery in hard skills of art, science, and technology as they relate to computer programming. Students will develop a portfolio project that demonstrates their expertise game design.

CODING & COMPUTER REPAIR
BUS 270
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
Students in Coding & Computer Repair receive an introduction to coding and the fundamental concepts of computational thinking with an additional focus on computer hardware and repair. The primary programming language will be Python, with the possibility of various programming languages such as C#, Java, and other object-oriented languages. These may include items such as input/output statements, constants, assignment statements, string and numeric variable types, conditional processing, and branching and looping control structures. Students will learn programming techniques such as counting, averaging, rounding, and generations of random numbers to develop a good programming technique. Students will create programs to store, locate, and retrieve data. Through a significant amount of hands-on and lab experiences, students will examine computer systems from the hardware and software perspective with a focus on troubleshooting and resolving issues. Students will learn how to setup and manage file systems and resources. Students will also determine performance level requirements considering the differences among operating systems, and recommending network interface cards and cabling.

CYBERSECURITY NETWORKING
BUS 280
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
During the Cybersecurity component, students will investigate the challenge of securing today's computing systems. There will be a focus on cryptography, binary exploits, and HTML and cookie manipulation. This will culminate in an opportunity to participate in "hacking" competitions known as Capture the Flag. The Networking component of the course provides students with a basic understanding of how a network functions. Students will explore topics in network topologies, the OSI model, network hardware, and system designs. Various projects, field trips, and hands-on lab experiences will help with the skills needed to set up, configure, test, troubleshoot, maintain, and administer a data network.

TECHNICAL SUPPORT INTERNSHIP (TSI)
BUS 351, 352, 353
Elective: Grades 10, 11, 12 One Credit
Prerequisite: Application and completion or concurrent enrollment in one of the following: Video Game Design, Networking, Coding & Computer Repair, Mobile App Development, Entrepreneurship, AP Computer Science Principles or if necessary, Department Approval.
Grade Weight: College Prep
This student-run help desk prepares students to provide first-line technical support to students, support staff, and teachers. Students are trained to listen, observe, and assess general end-user issues. The hands-on classroom environment gives students the opportunity to learn how to use basic operating system commands, troubleshoot hardware, software, and network problems as well as process service tickets and inventory stock. Students have individualized career pathways of study that include customer service and leadership, coding in JAVA or Python, Apps, CompTIA A+, MOS (Microsoft Office Specialist), and Google Apps. Students may also work with the Technology department to install and configure networks, set up user accounts and rights, and establish user security and permissions. For all new TSI students, a summer boot camp will be required - dates will be announced prior to the end of the school year. This course may be repeated.

COLLEGE ACCOUNTING HONORS
BUS 231, 232, 233
Elective: Grades 11, 12 One Credit
Prerequisite: None
Grade Weight: Honors
College Accounting Honors is a college-level accounting course. This course is planned to help students to develop deeper knowledge of the principles of accounting with more emphasis being placed on financial statements and accounting records. It is a study of
CONSUMER EDUCATION

CON 250
Elective: Grades 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep

BUS 2507 BUS 2509
Required: Grades 11, 12 One-Half Credit
Prerequisite: IEP Determination
Grade Weight: College Prep

Consumer Education helps students understand the world of business and how it affects them on a daily basis. Primary goals are to develop characteristics, habits, practices, and skills that will help students be better citizens and consumers. Units include banking, the American economic system, comparison shopping, advertising, budgeting, credit and installment purchasing, consumer rights and responsibilities, insurance, and consumer protection agencies. This course meets the consumer education requirement for graduation.

AP COMPUTER SCIENCE PRINCIPLES ☢

BUS 441, 442, 443
Elective: Grades 10, 11, 12 One Credit
Prerequisite: Department Approval
Grade Weight: Advanced Placement

Computer Science Principles Advanced Placement offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to creative aspects of programming, understandings of the Internet and issues of cybersecurity/hacking, working with large data sets, using abstractions and algorithms, and impacts of computing that affect different populations. Students will learn to use current technologies in order to solve problems. See the Advanced Placement Testing Policy on page 14.

BUSINESS INCUBATOR

BUS 381, 382, 383
Elective: Grades 11, 12 One Credit
Prerequisite: Application and completion or concurrent enrollment in: Introduction to Business & Accounting Systems, Sports and Entertainment Marketing, Entrepreneurship or if necessary, Department Approval.
Grade Weight: College Prep

This course is designed to prepare students to become true entrepreneurs. Students will have the opportunity to create and fully develop their own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of ideation, market research, and business plan development using the business model canvas approach. Midyear, students will gain in-market experience with “Minimum Viable Product” research and presentations made possible by small grants to student teams. Over the course of the year, student teams will become acquainted with the knowledge and skills necessary to own and operate their own businesses. Topics covered will include economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Through this, students will prepare for an investor panel presentation which helps to drive the entrepreneurial spirit by having student teams in front of actual business people to pitch their innovative idea and possibly win funding to turn their business plans into reality. This is a dual credit course. Students can receive college credit for successful completion of this course and are eligible to earn Honors grade weight.

COOPERATIVE WORK PROGRAM

COOP 611, 612, 613
Elective: Grade 12 One Credit
Prerequisite: One credit in Business, Family and Consumer Sciences, and/or Industrial Technology
Grade Weight: College Prep

This is a two-course program. Students must enroll in Cooperative Work Program and Related Cooperative Work Program concurrently. Co-op assists students as they prepare for various careers. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. Students will complete training which will lead to an OSHA 10 hour certificate.

RELATED COOPERATIVE WORK PROGRAM

COOP 621, 622, 623
Elective: Grade 12 One Credit
Prerequisite: One credit in Business, Family and Consumer Sciences, and/or Industrial Technology
Grade Weight: College Prep

This is a two-course program. Students must enroll in Cooperative Work Program and Related Cooperative Work Program concurrently. This related portion of the cooperative work course gives students the opportunity to gain real world work experience. Students may engage in a paid or volunteer position at an approved worksite. Students receive high school credit for on-the-job experiences. Some students are granted an early dismissal. A program coordinator will help guide the student and his/her supervisor through the program. Students who are interested in a career in cosmetology or barbering may choose to enroll in Ms. Robert's Academy or Ersikine Reeves Barber Academy. There is an additional charge for this program. Contact the Director of Careers & Community Outreach (fholthouse@leyden212.org) for additional information.
BUSINESS EDUCATION
Independent Study

Video Game Design III
BUS 360
Elective: Grades 11, 12 One-Half Credit

Networking II
BUS 380
Elective: Grades 11, 12 One-Half Credit
Prerequisite: Instructor approval/introductory course in the specific pathway.

Coding II
BUS 290
Elective: Grades 11, 12 One-Half Credit
Prerequisite: Instructor approval/introductory course in the specific pathway.

Marketing/General Business
BUS 230
Elective: Grades 11, 12 One-Half Credit
Prerequisite: Instructor approval/introductory course in the specific pathway.

Accounting II
BUS 453
Elective: Grades 11, 12 One Credit
Prerequisite: Instructor approval/introductory course in the specific pathway.

Business Incubator II
BUS 483
Elective: Grades 11, 12 One Credit
Prerequisite: Instructor approval/introductory course in the specific pathway.

Prerequisite: Instructor approval/introductory course in the specific pathway.

Grade Weight: College Prep

This course is intended as an enhancement opportunity for students to expand their level of expertise in their Business or Technology area of choice. Students who wish to pursue an independent study in any area must attain instructor approval prior to registration. Students will coordinate with the supervising instructor to determine a pathway/projects for students to work towards to enhance their current knowledge/skills in that area.
ELL, SHELTERED, AND BILINGUAL
Leyden offers a program of support for Language Learners and Emergent Bilinguals. All components of English are reinforced in all courses so that students gain knowledge of language and content. This program is transitional in nature, as determined by the Illinois State Board of Education. Students enroll, based on multiple measures of assessment, in courses appropriate to their level of English language and literacy. All courses are taught using the Sheltered or SIOP model of instruction. Courses are selected from the following:

### Level I:

<table>
<thead>
<tr>
<th>Course</th>
<th>Subject</th>
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<tbody>
<tr>
<td>ELL I</td>
<td>Algebra I</td>
</tr>
<tr>
<td>ELL Literacy</td>
<td>Transitional Algebra I</td>
</tr>
<tr>
<td>ELL Study</td>
<td>Global Studies</td>
</tr>
<tr>
<td>Digital Literacy</td>
<td>Physical Science</td>
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<tr>
<td>Bilingual Skill Development</td>
<td>Bilingual Chemistry</td>
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### Level II:

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<td>ELL Study</td>
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<td>Global Studies</td>
<td>Geometry</td>
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<tr>
<td>Civics</td>
<td>Health</td>
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<tr>
<td>U.S. History</td>
<td>Digital Literacy</td>
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<tr>
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<td>ELL IV</td>
<td>Algebra I</td>
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<td>Algebra II</td>
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<tr>
<td>ELL Study</td>
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</table>

**ELL I**

**ELL 101, 102, 103**  
Grade Weight: College Prep  
One Credit  
Students in the early stages of English language development are enrolled in this course. Lessons stress developing the language skills of listening and speaking for participation in everyday situations. Audio and video resources model pronunciation of vocabulary in context and develop listening skills needed to participate in conversations. Grammar includes use of nouns, formation of singular and plural forms, punctuation, subject-verb agreement, and word order. Students develop affirmative, negative, and interrogative sentence patterns in present, present continuous tenses and past tense. Students also learn to distinguish between informal conversations and appropriate formal language. This course must be taken in conjunction with ELL Literacy.

**ELL II**

**ELL 201, 202, 203**  
Grade Weight: College Prep  
One Credit  
This course builds on the foundation established in ELL I, with emphasis on increasing vocabulary and writing essays. Students focus on perfecting grammar skills as well as written and oral proficiency. In addition, students read adapted novels as well as non-fiction resources in order to enhance class discussions and writing assignments.

**ELL III**

**ELL 301, 302, 303**  
Grade Weight: College Prep  
One Credit  
This course is designed to enhance proficiency in English. Vocabulary development, essay-writing, and literary analysis comprise the primary focus of the course, in addition to continued practice to improve listening and speaking skills. Students are expected to reach similar outcomes as English I students including writing well-organized compositions in narrative, expository, and persuasive styles. In addition to the content pulled from the English I curriculum, students choose novels that fit their interests. Upon completion, students may continue to ELL IV or transition to a mainstream English course.

**ELL IV**

**ELL 701, 702, 703**  
Grade Weight: College Prep  
One Credit  
This course will assist those students who are not yet prepared for transition to a mainstream English course and need additional development of skills essential to success in English, specifically in reading and writing. Students will increase their ability in the areas of comprehension, vocabulary, and writing by building on the skills learned in ELL III. Students choose novels within the curriculum that enhance their understanding of the larger world, their experience with written and spoken English as well as the cultural and abstract aspects of language and literature.
ELL LITERACY
ELL 121, 122, 123
ELL 131, 132, 133
ELL 141, 142, 143

Grade Weight: College Prep One Credit

Students will have the opportunity to engage critically with narrative and expository text, read widely, and assess their own abilities. These courses build student vocabulary acquisition strategies and support students working with text at the secondary level. Literacy courses offered emphasize strategy and achievement in all or some of the following areas: comprehension, critical thinking, writing, vocabulary development, and fluency. Students are placed in courses based on the results of testing and teacher input. Once students meet their literacy goals, they may be moved to a new course. Students who require more time to demonstrate proficiency may be re-enrolled in the same course. Students who consistently meet literacy goals and demonstrate reading proficiency can potentially be released for the two-year requirement.

ELL SUPPORT
XYZ 930 No Credit

This course serves as a resource for English Language Learner students who have not yet achieved proficiency on the ACCESS for ELs test but have declined traditional ELL services. This course will connect students with an ELL teacher who will serve as a mentor for all of their content classes. The teacher will check in with them daily and address any concerns related to curriculum and progress in school. In addition, the course will address specific student skills and challenges. As the year progresses, the student and the teacher will create an individualized plan to meet the student's specific needs.

SHELTERED EDUCATION

The following courses are taught as Sheltered courses following the SIOP model, in which the instructor employs techniques appropriate for students who are in the process of learning English.

TRANSITIONAL ALGEBRA I
ELL 161, 162, 163

Grade Weight: College Prep One Credit

This course reviews the basic mathematical concepts of operations over integers, measurement, decimals, fractions, and percents, and introduces variables and variable representations on the number line and coordinate plane. The course also covers elementary equation solving and linear graphing. Students are encouraged to make practical applications. This course is taught using the SIOP model which provides language learning supports.

ALGEBRA I
ELL 181, 182, 183

Grade Weight: College Prep One Credit

Students investigate algebra and functions, geometry and trigonometry, statistics and probability, and discrete mathematics. Areas studied include graphing, variables, coordinate graphs, linear models, space shapes, and exponential functions. This course is taught using the SIOP model which provides language learning supports.

GEOMETRY
ELL 191, 192, 193

Grade Weight: College Prep One Credit

This course incorporates an investigative approach to geometry and trigonometry, algebra and functions, statistics and probability. Topics include matrix models, coordinate methods relating to shape and change, direct and inverse power models, form related to function, linear, exponential, and simulation models. This course is taught using the SIOP model which provides language learning supports.

ALGEBRA II
ELL 291, 292, 293

Grade Weight: College Prep One Credit

This course uses an investigative approach to mathematical strands of algebra, geometry and trigonometry, statistics and probability. Areas studied are multiple-variable models, algebraic reasoning, shapes and geometric reasoning, patterns in variation, families of functions, discrete models of change, and optimal forms and strategies. This course is taught using the SIOP model which provides language learning supports.

GLOBAL STUDIES
ELL 171, 172, 173

Grade Weight: College Prep One Credit

Global Studies is a two semester course for ELL students that is required for graduation. This course is appropriate for students in intermediate or advanced ELL courses. The purpose of the course is to develop advanced English language reading, writing, listening and speaking skills while introducing the technical language, content and skills of social studies. First semester focuses on the study of social
studies themes including geography, economics, government, and culture. Second semester builds upon previous content and themes. It includes the study of international conflict and a project through which students apply the themes of social studies using simulated countries and conflicts. Throughout the year, students will complete informative and argumentative writing and speaking to demonstrate skills. This course is taught using the SIOP model which provides language learning supports.

GLOBAL STUDIES FOR NEWCOMERS
ELL 361, 362, 363
Grade Weight: College Prep One Credit
Global Studies is a two semester course for newcomer ELL students that is required for graduation. The purpose of the course is to develop English language reading, writing, listening and speaking skills while introducing the language, content and skills of social studies. Throughout the year students will engage in units of study focused on the themes of social studies. Instructional outcomes will focus on informational reading and writing, evidencing, and understanding international perspectives and their implications. This course is taught using the SIOP model which provides language learning supports.

CIVICS
ELL 230
Grade Weight: College Prep One-Half Credit
Civics is a one-semester course which explores the question: "What are the knowledge, skills, attitudes, and actions of an effective citizen in a democratic republic?" Students investigate the answer to this question through a simulated legislative body where they interact with students from all other civics classes in the school. Students are expected to show growth in their ability to apply their knowledge and understanding of local, state, and federal government concepts throughout the simulation as well as develop their problem solving, decision making, and critical thinking skills. This course satisfies the U.S. and Illinois Constitution requirement for graduation. This course is taught using the SIOP model which provides language learning supports.

U.S. HISTORY
ELL 271, 272, 273
Grade Weight: College Prep One Credit
Sheltered United States History is an advanced level, two semester course for ELLs, required for graduation. The purpose of the course is to develop advanced English language reading, writing, listening, and speaking skills and to introduce the technical language of social studies as well as content area knowledge and skills with a focus on the study of American history. The first semester of the course focuses on the thematic study of our nation as it develops from colonization and the development of our Constitution through World War I. Emphasis is placed on the skill of writing informative/explanatory text. The second semester of the course focuses thematically on our nation as it develops from WWII through our current government. Emphasis is placed on the skill of argument writing. This course is taught using the SIOP model which provides language learning supports.

PHYSICAL SCIENCE
ELL 261, 262, 263
Grade Weight: College Prep One-Half Credit
Using laboratory investigations, students will engage in real life applications of chemistry, physics, and earth science while also practicing English through reading, writing, listening, and speaking. Basic processes, vocabulary, techniques, and methods of investigation as utilized in these fields will also be used and discussed. Emphasis on the scientific method will be present in all laboratory investigations throughout the course. This course is taught using the SIOP model which provides language learning supports.

PHYSICAL SCIENCE FOR NEWCOMERS
ELL 381, 382, 383
Grade Weight: College Prep One Credit
Physical Science is a two semester course for newcomer ELL students that is required for graduation. The purpose of the course is to develop English language reading, writing, listening and speaking skills while introducing the language, content and skills of Science. Using laboratory investigations, students will engage in real life applications of chemistry, physics, and earth science while also practicing English through reading, writing, listening, and speaking. Basic processes, vocabulary, techniques, and methods of investigation as utilized in these fields will also be used and discussed. Emphasis on the scientific method will be present in all laboratory investigations throughout the course. This course is taught using the SIOP model which provides language learning supports.

BIOLOGY
ELL 281, 282, 283
Grade Weight: College Prep One Credit
Basic concepts and terminology of biology will be studied as well as their application to everyday life. Basic processes, techniques, and equipment used in biological laboratory experiments will be emphasized. Students will apply scientific research to classroom projects including dissection. This course is taught using the SIOP model which provides language learning supports.

HEALTH
ELL 240
Grade Weight: College Prep One-Half Credit
Students will be introduced to the topics of physical wellness (including drugs and their use/abuse and nutrition); and mental wellness (including self-concept and stress management); sexuality (including reproductive system, pregnancy, childbirth, birth control and STDs). This course is taught using the SIOP model which provides language learning supports.

DIGITAL LITERACY
ELL 250
Grade Weight: College Prep One-Half Credit
This course is an introduction to using an electronic device to enhance personal and academic practice. The curriculum is organized using an online management system to teach students how to become online learners. The evolving curriculum in this course matches the rapid changes of technology in the world of work. Upon completion of this course, students will be able to understand why technology and
their personal digital footprint are important forces in our society. The course is explores online organization, email, presentations, coding, blogging, Internet research, sources and copyrights, social media, digital footprint, cyberbullying, privacy and security, and careers. All students will demonstrate their skills by completing a 20% project. This course meets the Digital Literacy graduation requirement. This course is taught using the SIOP model which provides language learning supports.

CONSUMER EDUCATION
ELL 210
Grade Weight: College Prep One-Half Credit
Consumer Education helps students understand the world of business and how it affects them on a daily basis. Primary goals are to develop characteristics, habits, practices, and skills that help students be better citizens and consumers. Units include banking, the American economic system, comparison shopping, advertising, budgeting, credit and installment purchasing, consumer rights and responsibilities, types of insurance, and consumer protection agencies. Students will complete a career project that includes job shadowing. This course meets the consumer education requirement for graduation. This course is taught using the SIOP model which provides language learning supports.

BILINGUAL EDUCATION

Leyden offers a program of bilingual education which is transitional in nature, as determined by the Illinois State Board of Education. The courses are taught primarily in the students' native languages; however, as students progress through the year, the percentage of English used in the classroom will increase.

BILINGUAL SKILL DEVELOPMENT
BIL 501, 502, 503
Grade Weight: N/A No Credit
This course serves as a bilingual resource for students who would benefit from bilingual services in Spanish and English. For the most part, these students will be ELL I students. Other students, who score lower than 3.5 on the ACCESS for ELs yearly assessment and do not receive special education services will also be considered. This course will connect students with a bilingual teacher who will serve as a mentor for all of their content classes. The teacher will check in with them daily and address any concerns related to curriculum and progress in school. In addition, the course will address student skills and challenges in English and Spanish. It will help make pertinent information easily accessible for newly arrived students, build technology skills and address specific technological challenges, help students find and use supports and resources in their first language, and use students' first language to build content-area vocabulary in English. This course will take the place of a student's ELL study.

BILINGUAL CHEMISTRY
BIL 391, 392, 393
Grade Weight: College Prep One Credit
This is a chemistry course designed to give students working knowledge of chemistry that can be found in everyday life as well as chemistry’s role in society and technology. The course surveys major scientific topics including matter, motion, energy, and waves and their application to chemistry. Students will use problem solving skills and mathematical applications to develop and use models, plan and carry out investigations, construction explanations, and design solutions. Emphasis is on scientific and chemical literacy in a lab-intensive environment. In addition to scientific skills and language, this course will support student acquisition of academic Spanish and English.
ENGLISH
English 2020-2021

**Freshmen**
- **English I**
- **English I Honors**
- **Beginning Drama**
- **Advanced Acting**

**Sophomores**
- **English II**
- **English II Honors**
- **English II AP Seminar**
- **Beginning Drama**
- **Advanced Acting**

**Juniors**
- **English III**
- **English III Honors**
- **AP English III**
- **Beginning Drama**
- **Advanced Acting**

**Seniors**
- **English IV**
- **English IV Honors**
- **AP English IV**
- **Beginning Drama**
- **Advanced Acting**

Select 1 from:
- **Creative Writing**
- **Humanities**
- **Media Studies**
- **Yearbook**
- **Journalism**
- **College Reading & Writing**

*All Senior English courses have an earned Honors Credit option*
ENGLISH

Mr. John Rossi, Chairperson  
(847) 451-3098 or (847) 451-3144  
jrossi@leyden212.org

Leyden requires four credits of English for graduation. Students must enroll in a sequence of English I, English II, English III, and English IV. Additionally, elective courses are offered, but these are not substitutes for courses in the required sequence.

ENGLISH I
ENG 101, 102, 103  
Required: Grade 9  
Prerequisite: None  
Grade Weight: College Prep

ENG 111, 112, 113  
Required: Grade 9  
Prerequisite: None  
Grade Weight: College Prep

ENG 1117, 1127, 1137  
ENG 1119, 1129, 1139  
Required: Grade 9  
Prerequisite: IEP Determination  
Grade Weight: College Prep

This foundation course emphasizes reading development and critical thinking strategies through exploration of various genres of increasingly complex literature and literary nonfiction. Units of study provide students with an understanding of the devices used by writers in each genre in order to construct meaning. Students encounter important, representative texts that illustrate the genre's norms as well as those that experiment with the form. Possible readings include John Steinbeck's *Of Mice and Men*, William Shakespeare's *Romeo & Juliet*, and Homer's *The Odyssey*. Students process compositions each semester in response to these texts, thinking abstractly about how writers assert personally and globally relevant ideas or arguments. Students receive instruction about sentence and essay construction, and they learn to write well organized compositions in narrative, expository, and argumentative styles. In this course of study, students become ready for college entrance or the workforce by developing flexible reading strategies and by thinking critically about universal concerns.

ENGLISH I HONORS
ENG 121, 122, 123  
Required: Grade 9  
Prerequisite: None  
Grade Weight: Honors

This advanced placement course initiates the most rigorous course of language study at Leyden. The course focuses on the development of writing, reading and critical thinking abilities. Students acquire skills in the organization of ideas and information, and particular attention is given to writing organized and thoughtful essays. Appreciating good literature, improving reading comprehension, and using sources of information effectively are other important components.

ENGLISH II
ENG 201, 202, 203  
Required: Grade 10  
Prerequisite: Grade 9 English  
Grade Weight: College Prep

ENG 211, 212, 213  
Required: Grade 10  
Prerequisite: Grade 9 English  
Grade Weight: College Prep

ENG 2117, 2127, 2137  
ENG 2119, 2129, 2139  
Required: Grade 10  
Prerequisite: IEP Determination  
Grade Weight: College Prep

In this speaking and writing course, students survey a broad range of rhetorical modes, learning the critical thinking required by each type as well as the compositional conventions required to advance that thinking. Argumentation, exposition, and narration are studied so that students can compose and deliver ideas of their own flexibly to a variety of audiences. Students will encounter literature and literary nonfiction for inspiration--those that broaden and deepen their understanding of modern, global concerns. And they will read texts worthy of imitation--those that communicate complex ideas with both clarity and artistry.

ENGLISH II HONORS
ENG 221, 222, 223  
Required: Grade 10  
Prerequisite: Grade 9 English  
Grade Weight: Honors

Course expectations assume a comprehensive understanding of writing, thinking, and research skills. English II Honors is designed to accelerate student growth in the areas of written composition, speech construction and delivery, critical thought, and library research. The academic rigor or university preparation is significantly greater than in English II. Student performances are expected to be of the highest quality. Narrative, expository, and persuasive styles are emphasized in writing and speaking. A variety of literature is studied as a basis for understanding these different styles. Independent reading of novels and other materials is required.

AP ENGLISH II SEMINAR ☼
ENG 231, 232, 233  
Required: Grade 10  
Prerequisite: Grade 9 English  
Grade Weight: Advanced Placement

The advanced placement seminar mirrors other sophomore English offerings in its focus on developing students who can communicate flexibly. However, this course also asks students to engage in conversations about complex academic and real-world issues through various points of view. The issues will be identified using concepts from other AP courses, student interests, local and/or civic issues, academic problems or questions, or global/international topics.
Students consider each topic through a variety of lenses and from multiple perspectives, many of which are divergent or competing. Finally, students must synthesize their exploration in both small group and individual research essays and presentations. See the Advanced Placement Testing Policy on page 14.

**ENGLISH III**

**ENG 311, 312, 313**

Required: Grade 11

Prerequisite: Grade 9 & 10 English

Grade Weight: College Prep

**ENG 3117, 3127, 3137**

**ENG 3119, 3129, 3139**

Required: Grade 11

Prerequisite: IEP Determination

Grade Weight: College Prep

As a survey of American literature, this course compels students to review the major ideas or arguments our nation has considered throughout its history. Students will read increasingly complex texts by important American writers, investigating the issues of a developing and developed nation to foster their inquiry about the modern United States. Writing in a variety of modes will require students to analyze the rhetorical or literary devices of major texts in order to arrive at and interrogate their principal ideas or arguments. Students will advance their own ideas and arguments through critical thinking that relies on evidence and reasoning and that recognizes valid opposing arguments. In this way, the content and skills of this course serve the same purpose: preparing students for thoughtful and informed democratic citizenship in the United States.

**ENGLISH III AMERICAN STUDIES**

**ENG 341, 342**

Required: Grade 11

Prerequisite: None

Grade Weight: College Prep

"What is an American?" This question and many more are explored in American Studies, a course where students gain insight into what we've done as a nation and what we've thought, felt, and dreamt. The synergy of topics in American history and American literature provides more material, modes, and time for asking essential questions about our nation's development. By exploring recurring themes in literature and history, students recognize the connectedness of human experience. Ultimately, they gain a better understanding of the development of the United States and their roles as citizens in this nation. Students must enroll in English III American Studies and U.S. History American Studies concurrently.

**ENGLISH III HONORS**

**ENG 321, 322, 323**

Required: Grade 11

Prerequisite: Grade 9 & 10 English

Grade Weight: Honors

Students in this course receive college preparatory instruction. A chronological survey of great American writings is the literary core and serves as the basis for frequent writing assignments. Several essays and a "reading card" are completed each semester, asking students to relate literary readings to articles about current events. An analytic research paper is required, and higher-level critical thinking is expected.

**AP ENGLISH III LANGUAGE & COMPOSITION**

ENG 331, 332, 333

Required: Grade 11

Prerequisite: Grades 9 & 10 English

Grade Weight: Advanced Placement

Students in this class work to acquire a graceful and masterful command of the stylistic elements of writing. They also analyze the rhetorical strategies and stylistic devices writers use to express their points of view. The first semester of this course is centered around the reading and analysis of persuasive texts. There, students will learn to identify and write compositions analyzing rhetorical modes and strategies, classical appeals, and stylistic devices. The class also addresses the construction of formal essays including focus upon rhetorical structure, stylistic strategies and cohesion. The second semester centers around demonstrating a command of rhetorical strategies studied in the first semester. Methods of support, logical fallacies, counter claims, and framing are studied and practiced in debates and persuasive essays. See the Advanced Placement Testing Policy on page 14.

**ENGLISH IV**

Required: Grade 12

Prerequisite: Grade 9, 10, & 11 English

Grade Weight: College Prep

**ENG 4117, 4127**

**ENG 4119, 4129**

Required: Grade 12

Prerequisite: IEP Determination

Grade Weight: College Prep

Each of these college preparatory courses requires the completion of several essays per semester and a research paper in the second semester. In addition to independent reading requirements, core literature accompanies each course. All courses also include units that develop career skills and research techniques. Other required readings will reflect the specialized content of the elective. Choose one of the two-semester courses that follow:

**English IV: Journalism**

ENG 441, 442, 443

Grade Weight: College Prep or Honors

This is an English IV college prep elective course recommended for students who have an interest in the Internet/news media relationship and/or students who have successfully completed coursework in digital photography, graphic design, and web design. This hands-on laboratory course focuses on the production of both a school newspaper and school news website. It involves a significant after-school time commitment during newspaper layout sessions. Students will have the opportunity to apply their creative, literary, and artistic skills while developing a variety of media projects focusing on Leyden community news. Students electing to take the course for honors credit will be held to higher quality standards for writing and research and will be asked to occupy leadership roles.

**English IV: Yearbook**

ENG 451, 452, 453

Grade Weight: College Prep or Honors
Specialized instruction in yearbook writing and production is the basis of this course, along with the core material of English IV. Gathering accurate information by formulating questions and interviewing subjects is one of the major activities. After organizing these materials, students write stories and design yearbook pages in the most effective formats. Production of the school yearbook often demands after-school commitments, and students are required to meet this expectation.

English IV: Integrated Reading and Writing
ENG 461, 462, 463
Students will study the same material as Rhetoric 099 at Triton College and be concurrently enrolled. The course prepares students for college-level reading and writing across the curriculum, integrating readings with essays written across multiple rhetorical modes. Students develop their skills by emphasizing concerns of purpose and audience, support, organizational coherence and cohesion, and grammar and mechanics. The course is recommended for students looking to make certain that their writing is college-ready.

English IV: Creative & Technical Writing
ENG 471, 472, 473
Grade Weight: College Prep or Honors
Good writing is a personal form of expression, and this course develops students’ writing abilities so that they can express their thoughts in effective language. Creative genres like the poem, the short story, the nonfiction essay, and the screenplay will be emphasized, as will forms of business and technical writing. Classical and modern literature will be examined with a focus upon the author’s purposeful use of language. Students electing to take the course for honors credit will be held to higher quality standards for writing and will be asked to participate in performance opportunities.

English IV: Humanities
ENG 481, 482, 483
Grade Weight: College Prep or Honors
This course introduces students to the Humanities: the study of the many arts and cultures that produced them. Literature, philosophy, religion, painting, sculpture, music, and architecture will be studied to enrich understanding of what it means to be fully human and to gain a sense of the depth, grandeur, and universality of the human spirit. Topics include arts and cultures of the world from ancient to the present. Students electing to take the course for honors credit will be held to higher quality standards for writing and research.

English IV: Media Studies
ENG 491, 492, 493
Grade Weight: College Prep or Honors
This course emphasizes how the various media influence society and how to be an intelligent, critical consumer of those media. The creation and manipulation of media images also will be examined. The final units of the course include a major project that, for example, evaluates news presentations, studies media-influenced societal change, or produces a scripted short film. These projects will be showcased in a required exhibition at the conclusion of the school year. Students electing to take the course for honors credit will be held to higher quality standards for writing and research.

AP ENGLISH IV LITERATURE & COMPOSITION ☀
ENG 431, 432, 433
Required: Grade 12
Prerequisite: Grade 9, 10, & 11 English
Grade Weight: Advanced Placement
A survey of major works of British and world literature as well as preparation for the Advanced Placement examination comprise the basis of this course. Because many colleges and universities award immediate advanced standing to students who excel in the Literature & Composition AP examination, course emphasis is placed upon developing college-level critical reading and writing skills. Students write numerous formal essays and critically analyze fiction, drama, and poetry from the time of Sophocles to the present. See the Advanced Placement Testing Policy on page 14.

AP ENGLISH IV: RESEARCH ☀
ENG 351, 352, 353
Required: Grade 12
Prerequisite: AP Seminar
Grade Weight: Advanced Placement
AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. See the Advanced Placement Testing Policy on page 14.

BEGINNING DRAMA
ENG 160
Elective: Grades 9, 10, 11, 12
Prerequisite: None
Grade Weight: College Prep
This course offers students experiences in various areas of theatre. Topics of study include pantomime, improvisation, scene work, and basic directing skills. The course culminates with an acting-director’s prompt book, which is developed as an extension of class assignments. Note: This course receives elective credit, not English credit.

ADVANCED ACTING
ENG 170
Elective: Grades 9, 10, 11, 12
Prerequisite: Beginning Drama
Grade Weight: College Prep
Students study theatre history and use dramatic literature from different historical periods to demonstrate their understanding of acting styles and directing techniques. Aspects of play production are emphasized as well as critical evaluation of the dramatic play form. Field trips to view professional productions are scheduled to correspond with class work. Note: This course receives elective credit, not English credit.
FAMILY AND CONSUMER SCIENCES
Family & Consumer Sciences
2020-2021
*denotes dual credit and honors credit opportunity

Educator Prep

- Child Development (9-12)
- * Human Development (9-12)
- * Preschool (10, 11, 12)
- * Education Academy (11-12)
- * Education Academy 2 (12)

Culinary Arts

- Culinary Basics (9-12)
  - * Pastry Chef (9, 10, 11, 12)
    - Cake Decorating (10, 11, 12)
  - * Cuisine Chef (9, 10, 11, 12)
    - Gold & Bold Cafe (10, 11, 12)
- Catering 1 (11-12)
- Catering 2 (12)

Fashion & Design

- Fashion & Design: Level 1 (9, 10, 11, 12)
- Fashion & Design: Level 2 (9, 10, 11, 12)
- Fashion & Design: Level 3 (10, 11, 12)
- * Harper College Fashion Basics (11, 12)

Work Studies

- * Taste of Travel (11-12)
- Medical Careers (11-12)
- Cooperative Work Program (12)
Students in Family & Consumer Sciences will receive regular hands-on learning experiences that develop workplace skills, earn college credit, and receive industry recognized credentials that will help them in their career and beyond. Students will also practice and gain the soft skills necessary to flourish in life after high school.

**CULINARY BASICS**

**FCS 140**  
Elective: Grades 9, 10, 11, 12  
One-Half Credit  
Prerequisite: None  
Grade Weight: College Prep  
This introductory culinary course provides students with the fundamental knowledge and cooking experiences that cover the basic food preparation techniques. Included are labs such as chili, appetizers, stir-fry, beverages, desserts, and many more. This course prepares students for the intermediate pastry chef and cuisine chef courses. Course content encompass': food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation.

**PASTRY CHEF**

**FCS 250**  
Elective: Grades 9, 10, 11, 12  
One-Half Credit  
Prerequisite: Culinary Basics  
Grade Weight: College Prep / Honors  
This intermediate course provides students with extensive baking skills in pastries, breads, cake decorating, and desserts. Students also practice culinary math and terminology and gain practical experiences needed for success in the culinary workplace. Skills learned and practiced in this course will prepare students for an industry recognized sanitation exam. Students will further their plate presentation skills and run/operate the Javaccino coffee bar. In addition, after successful completion of this course, students may take Cake Decorating. This is a dual credit course. Students can receive college credit for successful completion of this course and are eligible to earn Honors grade weight.

**CAKE DECORATING**

**FCS 270**  
Elective: Grades 10, 11, 12  
One-Half Credit  
Prerequisite: Pastry Chef  
Grade Weight: College Prep / Honors  
This course provides students’ cake decorating experience from cake baking and preparation to decorating. Students will begin decorating skills with buttercream, fondant, and royal icing. Students will be able to practice and then prepare cakes for various themed events. Students will develop an online portfolio of their work.

**CATERING I**

**FCS 341, 342, 343**  
Elective: Grades: 11, 12  
One Credit  
Prerequisite: Pastry Chef and Cuisine Chef  
Grade Weight: College Prep / Honors  
This advanced culinary course caters school and community banquets, public events, and meetings. This course focuses on the development of management skills in a variety of settings. Students will design menus, manage inventory, prepare, and service events. Additional areas of focus are: food cost accounting, inventory procedures, advertising techniques, and will also learn to monitor and analyze various industry trends. This course provides students the opportunity to earn Honors grade weight.

**GOLD & BOLD CAFE**

**FCS 371**  
Elective: Grades 10, 11, 12  
One Credit  
Prerequisite: Pastry Chef/Cuisine Chef  
Grade Weight: College Prep  
This course provides students with hands on work experience in our faculty coffee bar. Students will operate and manage the coffee bar daily. Students will prepare food and drinks for faculty. Students will obtain their Food Handler’s Certification. They will also participate in creating seasonal menus and will use data to make business decisions. Teacher recommendation is required for this course, due to the independent nature of the curriculum.
CATERING II
FCS 441, 442, 443
Elective: Grades: 12 One Credit
Prerequisite: Catering I
Grade Weight: College Prep / Honors
After completion of Catering I, students may enroll in this independent study course. These students manage and run the community banquets, public events, and meetings, where they practice operational management skills such as: design and organization of food service systems in a variety of settings, human relations, and personnel training and supervision. Students will continue their journey through the pathways as well as develop their own. Students will continue to expand their online portfolio. Students will again have the opportunity to earn their Illinois Managers’ Certificate. Students will have the opportunity to complete a semester long pathway focused on nutrition, which makes them eligible for college credit. All experiences in this course involve equipment and facilities simulating those found in business and industry.

FASHION & DESIGN I
FCS 110
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep / Honors
Fashion & Design I focuses on the exploration of fashion career pathways. This course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands-on and project based learning experiences students will discover fabric characteristics, fabric construction methods, elements of science and design in textiles and apparel, and basic construction skills used in interior furnishings and apparel industries. Students will have the opportunity to work collaboratively to develop, design, and participate in a class Fashion Show.

FASHION & DESIGN II
FCS 120
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Fashion & Design I
Grade Weight: College Prep
Fashion & Design II allows students to explore various fashion pathways related to careers in the fashion industry. This course can be taken after successful completion of Fashion & Design I. Students will choose different areas of learning within the fashion industry according to the pathways available to them. Hands-on and project based learning is emphasized where students learn about product knowledge and promotion; industry trends and style; industry specific terminology; marketing campaigns; current technology; and visual merchandising displays. Students will have the opportunity to work collaboratively as a class to develop, design, and participate in a class Fashion Show.

FASHION & DESIGN III
FCS 130
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Fashion & Design II
Grade Weight: College Prep
Fashion & Design III allows students to explore various fashion career pathways after successful completion of Fashion & Design I and II. Students will choose different areas of learning within the fashion industry according to the pathways available to them. Hands-on and project based learning is emphasized where students learn about product knowledge and promotion; industry trends and style; industry specific terminology; marketing campaigns; current technology; and visual merchandising displays. Students will have the opportunity to work collaboratively as a class to develop, design, and participate in a class Fashion Show.

FASHION BASICS: DUAL CREDIT
FCS 360
Elective: Grades 11, 12 One-Half Credit
Prerequisite: Fashion & Design I
Grade Weight: College Prep / Honors
This course is designed for Juniors and Seniors that are interested in fashion and want to explore and develop their industry skills. Students will work collaboratively with Harper College to complete an array of fashion projects pertaining to a variety of areas within the fashion industry. Some topics of study include: Mood boards, Iconic Designers, Historical Dress, Styles & Trends, Color Theory, Marketing, and more. Students will have the opportunity to work collaboratively as a class to develop, design, and participate in a class Fashion Show. This is a dual credit course. Students can receive college credit for successful completion of this course and are eligible to earn Honors grade weight.

CHILD DEVELOPMENT
FCS 160
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep / Honors
Child Development will prepare students to explore and enter careers in which they will interact with children, families, educators, and medical professionals. Students will be introduced to pre-natal development and focus on development (physical, social, emotional, and intellectual) of children from ages birth through the preschool years, as well as the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. To prepare students for Preschool and Education Academy, students will learn about developmentally appropriate practice and apply it to lesson planning. Students will tour a hospital birthing center and participate in toddler/preschool observation. This is a dual credit course. Students can receive college credit for successful completion of this course and are eligible to earn Honors grade weight.

HUMAN DEVELOPMENT
FCS 170
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep / Honors
The focus of Human Development is to prepare students to explore and enter careers in which they will interact with children, families, and educators. To do this, students will first be introduced to the development of children in all grade levels of elementary, middle, and high school. Using their knowledge on typical and atypical development, students will apply this to various develop-
opmental and educational theorists. Additionally, students will explore family structures and parenting styles to determine what maximizes human growth and development in each stage of life. To prepare them for Preschool and Education Academy, students will also analyze the variety of educational choices available to children of young ages and determine what these educational institutions do to promote a healthy development physically, socially, and emotionally.

This is a dual credit course. Students can receive college credit for successful completion of this course and are eligible to earn Honors grade weight.

**PRESCHOOL**

**FCS 311, 312, 313**

Elective: Grades 10, 11, 12 One Credit  
Prerequisite: Child Development or Human Development  
Grade Weight: College Prep / Honors  

This hands-on, lab-based course provides students the opportunity to teach and interact with children ages 3-5 and their families four days per week. This course provides students with information and practical experiences needed for the development of competencies related to child care, day care, and other education services occupations. These teachers will work collaboratively to create engaging and developmentally appropriate lessons. Classroom study includes the philosophy and management of care centers and the state and local regulations governing care-giving operations. Students will take part in the planning of all special events including: holiday parties, graduation, and spirit weeks. After successful completion of this course, students will earn the Early Childhood Education Level 1 credential through Gateways. This is a dual credit course. Students can receive college credit for successful completion of this course and are eligible to earn Honors grade weight.

**EDUCATION ACADEMY I ☀**

**FCS 321, 322, 323**

Elective: Grades 11, 12 One Credit  
Prerequisite: Preschool or Faculty Recommendation  
Grade Weight: College Prep / Honors  

This capstone course prepares students interested in the field of education with frequent hands-on teaching experiences, in a laboratory setting, with students grades K-8 as well as their peers and other professionals. This course provides students with information and practical experiences needed for the development of competencies related to child care, day care, and other education services occupations. Education Academy student teachers will teach four days a week at a local elementary or middle school, which mimics a standard student teaching experience. During the on-site portion of this course, students will shadow and observe their mentor teacher and will also be responsible for teaching lessons to their students throughout the year. This rigorous capstone course prepares students for success in college and their profession. This is a dual credit course. Students can receive college credit for successful completion of this course and are eligible to earn Honors grade weight.

**EDUCATION ACADEMY II**

**FCS 421, 422, 423**

Elective: Grades 12 One Credit  
Prerequisite: Taste of Teaching  
Grade Weight: College Prep / Honors  

After successful completion of Education Academy I, this course allows students who know they want to work with students grades K-8 as well as their peers and other professionals, an opportunity to take a leadership role in the classroom. Education Academy II student teachers will teach four days a week at a local elementary or middle school, which mimics a standard student teaching experience. During the on-site portion of this course, students will shadow and observe their mentor teacher and will also be responsible for teaching lessons to their students throughout the year.

This is a dual credit course. Students can receive college credit for successful completion of this course and are eligible to earn Honors grade weight.

**TASTE OF TRAVEL**

**FCS 331, 332, 333**

Elective: Grades 11, 12 Two Credits  
Prerequisite: None  
Grade Weight: College Prep  

This two-period course is an in depth look at how tourism and hospitality industries function. With an emphasis on professionalism, communication skills, and ethics. Students travel three days per week to local travel and hospitality businesses, including Rosemont hotels and O’Hare Airport. This on-site experience allows for exposure of career opportunities and interactions with professionals in the industry. In addition to flying a plane, students go behind the scenes at American Airlines, and shadow in every department at Hilton Hotels. Students will have the opportunity to earn the SABRE certification.

This is a dual credit course. Students can receive college credit for successful completion of this course and are eligible to earn Honors grade weight.

**MEDICAL CAREERS**

**SCI 350**

Elective: Grades 11, 12 One Credit  
Prerequisite: Health and successful completion of two years of Science  
Grade Weight: College Prep  

Medical Careers is designed to prepare students for careers in the healthcare industry. Students who enroll in this course will be enrolled in both a Family and Consumers Sciences course as well as a Science course. To give students the best learning experience possible, they will spend a total of eight weeks observing medical professionals in the community at locations such as hospitals, clinics, retirement homes, and fire departments. The Science portion of the course will engage students in hands-on learning opportunities to master skills such as using personal protection equipment in a hospital setting. Students will also be introduced to human anatomy and medical terms that they will use in their future careers. Additionally, in the Family and Consumer Sciences portion, students will discover the importance of medical law and ethics along with professionalism. They will also identify employability skills relevant to this industry and what they can do to improve these skills. Field trips include visiting a hands-on cadaver lab and a college program exploration.
at Triton College. At the completion of this course, students will receive Red Cross First Aid, CPR, and AED certifications which are basic requirements for entry-level jobs in this field.

Students are required to be up-to-date on Varicella, MMR, Hep B, and TDAP vaccinations, obtain a current flu shot, and receive a negative result on a Tuberculosis Test.

MEDICAL CAREERS Independent Study
TDE 310
Elective: Grades 11, 12 One-Half Credit
Prerequisite: Medical Careers, or AP BIO, or Anatomy + Physiology
Grade Weight: College Prep

After completion of Medical Careers, or AP Biology and/or Anatomy and Physiology, students may enroll in the Medical Careers Independent Study. This independent study is for students interested in earning their Certified Nurse’s Assistant credential. Class meets at Triton College from 2:30 p.m. - 4:15 p.m., Tuesday through Thursday, with additional lab hours required on Saturdays. Upon successful completion of this course, students will earn an industry-recognized certification (CNA). Students need a 500 on the SAT reading and writing or a +471 score on the Next Generation Accuplacer reading placement test. Students that successfully complete the course will be waived of all fees. Students who fail the course will be subject to a $1,250.00 course and book fee.

Students are required to attend an informational session, obtain the seasonal flu vaccine, and a TB test before beginning their lab hours.

COOPERATIVE WORK PROGRAM
COOP 611, 612, 613
Elective: Grade 12 One Credit
Prerequisite: One credit in Business, Family and Consumer Sciences, and/or Industrial Technology
Grade Weight: College Prep

This is a two-course program. Students must enroll in Cooperative Work Program and Related Cooperative Work Program concurrently. Co-op assists students as they prepare for various careers. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students’ abilities to interact positively with others. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination.

RELATED COOPERATIVE WORK PROGRAM
COOP 621, 622, 623
Elective: Grade 12 One Credit
Prerequisite: One credit in Business, Family and Consumer Sciences, and/or Industrial Technology
Grade Weight: College Prep

This is a two-course program. Students must enroll in Cooperative Work Program and Related Cooperative Work Program concurrently. This related portion of the cooperative work course gives students the opportunity to gain real world work experience. Students may engage in a paid or volunteer position at an approved worksite. Students receive high school credit for on-the-job experiences.
INDUSTRIAL TECH
The Industrial Technology curriculum provides opportunities for students to learn about modern technical practices, industrial organizations, and the role of technology in our society. Students are encouraged to explore several courses, specialize in a specific course area, and ultimately participate in the school/industry cooperative work program.

Project Lead the Way (PLTW) is a hands-on, project-based engineering curriculum for high school and middle school students. PLTW empowers students to develop and apply in-demand, transportable skills by exploring real-world challenges. Through our pathways in engineering, students not only learn technical skills but also learn to solve problems, think critically and creatively, communicate, and collaborate. PLTW courses are currently being taught in all 50 states in over 9,000 schools.

EXPLORING TECHNOLOGY

IND 100, 200
Elective:  Grades 9, 10, 11, 12 One-Half Credit
Prerequisite:  None
Grade Weight:  College Prep
Exploring Technology is an introductory course that is recommended for students interested in any area of technology. This is a hands-on class that offers a variety of projects that cover the resources, technical processes, and industrial applications across a variety of different industries. Students may take up to two semesters of this course. Each semester covers fundamental aspects of the automotive, construction, woods, metals, and engineering fields as well as the occupations encompassed by those fields. Students will complete a variety of units and projects spanning those fields.

AUTOS I

IND 221, 222, 223
Elective:  Grades 10, 11, 12 One Credit
Prerequisite:  None
Grade Weight:  College Prep
This class is designed to give the student an introductory look at the automobile and the automotive industry. Basic automotive systems and operations are discussed. Students gain hands-on experience in the lab and will begin to develop diagnosis and repair skills. Instructional units include engine performance, automotive electrical system, lubrication, exhaust and emission control, steering and suspension, fuel systems, cooling system, and braking.

AUTOS II ☀

IND 321, 322, 323
Elective:  Grades 10, 11, 12 One Credit
Prerequisite:  Autos I
Grade Weight:  College Prep
Students will get an in-depth look into the different systems found on today's cars. These systems include computerized diagnostics, new vehicle servicing, testing and diagnostics, drivetrain, and overall automobile performance. The theory and operation of each system is discussed and the student will have the opportunity to gain hands-on experience in the shop. Upon completion of the class, the student will be able to identify, diagnose, and repair problems found in each of the different systems. Students will have the opportunity to earn an ASE student certification.

AUTOMOTIVE SERVICE ☀

IND 351, 352, 353
Elective:  Grades 11, 12 One-Half Credit or One Credit
Prerequisite:  Autos I & Autos II (or concurrent enrollment in Autos II or Instructor Approval)
Grade Weight:  College Prep
Students will learn the skills that are fundamental to working at an automotive repair facility. They will develop these skills by new vehicle servicing work on actual cars brought to the shop for repairs. This work will include oil changes, fluid checks, tire repair and rotation, general maintenance procedures, testing and diagnostics, and light duty repairs. This class is designed for the student that is considering a career in the automotive repair industry.

INTRODUCTION TO ENGINEERING DESIGN HONORS ☀ (PLTW)

IND 121, 122, 123
Elective:  Grades 9, 10, 11, 12 One Credit
Prerequisite:  None
Grade Weight:  Honors
Students will learn principles of engineering design. The major focus of this course is to expose students to a design development process, analysis, teamwork, communication, global impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills through activity, project, and problem-based (APPB) learning. APPB-learning challenges students to continually hone their understanding of the design process. It also allows students to develop, analyze, and test product solutions. This is a dual credit course. Students can receive college credit for successful completion of this course and is eligible to earn Honors grade weight.

PRINCIPLES OF ENGINEERING HONORS ☀ (PLTW)

IND 381, 382, 383
Elective  Grades 10,11,12 One Credit
Prerequisite:  None
Grade Weight:  Honors
Principles of Engineering is designed to help students understand career possibilities in engineering and engineering technology. Exploring engineering systems and manufacturing processes. Students typically explore how engineers use various technology systems and manufacturing processes to solve problems. In addition, students will
learn how engineers address concerns about the social and political consequences created by technological change. This is a dual credit course. Students may receive college credit for successful completion of this course and is eligible to earn Honors grade weight.

**DIGITAL ELECTRONICS HONORS** (PLTW)

**IND 281, 282, 283**

Elective: Grades 10, 11, 12 One Credit
Prerequisite: None
Grade Weight: Honors

Digital circuits are found in computers, watches, calculators, musical instruments, video games, and thousands of other devices. This course provides a foundation for students who are interested in electrical engineering, electronics, or the development of electronic circuits and devices. Students study topics that include combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. Students may receive college credit for successful completion of this course and cumulative exam.

**WOODS**

**IND 160**

Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep

Students have the opportunity to develop skills and knowledge in the field of woodworking. Instruction includes safety practices in using hand tools and power equipment, and materials commonly used in manufacturing and millwork industries. Students design and construct projects made with a variety of wood types.

**HOME REPAIR**

**IND 270**

Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep

Students explore a variety of topics related to home repair through a hands-on approach. Students are instructed in areas of safety, including hand tools and power tools, common home repair projects. Students develop a basic understanding of household electrical systems, plumbing systems, flooring, wall framing, and finishing through do-it-yourself quick fixes.

**CONSTRUCTION**

**IND 291, 292, 293**

Elective: Grades 10, 11, 12 One Credit
Prerequisite: None
Grade Weight: College Prep

Through hands-on experience, students will develop some of the skills that are used in the rough and finish construction trades. They will learn the proper and safe use of hand and power tools which are commonly used in these trades. Instruction includes safety principles and practices, recognition of standard lumber sizes, foundation layout methods, building concepts and procedures, as well as framing, masonry, roofing, plumbing, electrical, door and window installation, flooring installation, and trim work.

**METALS I**

**IND 171, 172, 173**

Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: None
Grade Weight: College Prep

Safe operation of basic metalworking machines is stressed including engine lathes, milling machines, precision surface grinders, and other equipment. Students will also learn basic setup and operation of CNC lathes and mills. Students learn the basics of blueprint reading, precision measuring, layout, and machining process planning to produce metalwork projects. Students have the opportunity to apply these skills to attain industry recognized NIMS credentials.

**METALS II**

**IND 181, 182, 183**

Elective: Grades 10, 11, 12 One Credit
Prerequisite: Metals I
Grade Weight: College Prep / Honors

Students prepare for entry-level jobs in manufacturing. This class features instruction in advanced and complex manual machine setups. Students also explore the use of computer and numerical controlled (CNC) machining. Students will also use advanced inspection equipment to check tolerances of final products. Students have the opportunity to apply these skills to attain industry recognized NIMS credentials. This is a dual credit course. Students can receive college credit for successful completion of this course and is eligible to earn Honors grade weight.

**COOPERATIVE WORK PROGRAM**

**COOP 611, 612, 613**

Elective: Grade 12 One Credit
Prerequisite: One credit in Business, Family and Consumer Sciences, and/or Industrial Technology
Grade Weight: College Prep

This is a two-course program. Students must enroll in Cooperative Work Program and Related Cooperative Work Program concurrently. Co-op assists students as they prepare for various careers. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination.

**RELATED COOPERATIVE WORK PROGRAM**

**COOP 621, 622, 623**

Elective: Grade 12 One Credit
Prerequisite: One credit in Business, Family and Consumer Sciences, and/or Industrial Technology
Grade Weight: College Prep

This is a two-course program. Students must enroll in Cooperative Work Program and Related Cooperative Work Program concurrently. This related portion of the cooperative work course gives students the opportunity to gain real world work experience. Students may engage in a paid or volunteer position at an approved
worksite. Students receive high school credit for on-the-job experiences. Some students are granted an early dismissal. A program coordinator will help guide the student and his/her supervisor through the program. Students who are interested in a career in cosmetology may choose to enroll in Ms. Robert’s Academy. There is an additional charge for this program. Contact the Director of Careers & Community Outreach (fholthouse@leyden212.org) for additional information.

INDUSTRIAL TECHNOLOGY
Independent Study

Woods
IND 170
Grades: 10, 11, 12 One-half Credit
Prerequisite: Instructor approval/introductory course in the specific pathway.

Metals
IND 191, 192, 193
Grades: 11, 12 One Credit
Prerequisite: Instructor approval/introductory course in the specific pathway.

Construction
IND 301, 302, 303
Grades: 11, 12 One Credit
Prerequisite: Instructor approval/introductory course in the specific pathway.

Independent Study
IND 900
Grades: 11, 12 One Credit
Prerequisite: Instructor approval/introductory course in the specific pathway.

Grade Weight: College Prep
This course is intended as an enhancement opportunity for students to expand their level of expertise in their Industrial Technology area of choice. Students who wish to pursue an independent study in any area must attain instructor approval prior to registration. Students will coordinate with the supervising instructor to determine a pathway/projects for students to work towards to enhance their current knowledge/skills in that area.
LITERACY

Ms. Jane Hyink, Chairperson
(847) 451-3645 or
(847) 451-3610
jhyink@leyden212.org

LITERACY

LIT 111,112
LIT 211,212
LIT 311,312
*Required:         Grade 9, 10
One Credit
Prerequisite:      None
Grade Weight:      College Prep

LIT 1119, 1129
*Required:         Grade 9, 10
One Credit
Prerequisite:      IEP Determination
Grade Weight:      College Prep

*Enrollment in a literacy course is required for students whose standardized test scores and reading and writing samples indicate a need to accelerate their development of literacy competencies.

Students will have the opportunity to engage critically with narrative and expository text, read widely, and assess their own abilities. These courses prepare and support students for working with text at the secondary level. Literacy courses offered emphasize strategy and achievement in all or some of the following areas: comprehension, critical thinking, writing, vocabulary development, and fluency. Students are placed in courses based on the results of standardized tests and teacher input. Once students meet their literacy goals, they are moved to a new course. Students who require more time to demonstrate proficiency will be re enrolled in the same course. Students who consistently meet literacy goals and demonstrate reading proficiency can potentially be released for the two-year requirement if enrolled at the 300 level.
MATH
Math 2020-2021

Freshmen
- Algebra I Block
- Algebra I
- Advanced Algebra Honors

Sophomores
- Geometry Basic
- Geometry
- Geometry Honors

Juniors
- Intermediate Algebra II
- Algebra II
- Advanced Algebra II w/Precision Honors A
- Precalculus Honors

Seniors
- Statistics & Applied Math
- Transition to College Algebra
- Precalculus
- Precalculus Honors B w/Calculus A
- AP Calculus AB
- AP Statistics

College Prep
Honors
Advanced Placements

AP Computer Programming A
The mathematics program is designed for the diversified needs and abilities of our students. Courses are available for those needing mathematics for everyday use, broad cultural purposes, employment, research, or advanced scholarship. The major objectives of any mathematics course are to develop students' abilities to read with understanding, to reason critically, and to analyze with clarity.

**PRINCIPLES OF ALGEBRA AND GEOMETRY**
MAT 0119, 0129, 0139
Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: IEP Determination
Grade Weight: College Prep
This course will prepare students for Algebra I and Geometry. The course is designed for students who need reinforcement in estimation, computation, and basic measurement skills. Through the application of pre-algebra and pre-geometry skills, students will develop the readiness skills necessary for future success in Algebra I and Geometry. Emphasis will be placed on making appropriate computational decisions; collecting, organizing, and describing data; constructing and interpreting graphs and tables; solving equations; recognizing basic geometric shapes; exploring linear equations; finding percentages, and working with mathematical expressions, formulas, and sentences.

**ALGEBRA I A**
MAT 1017, 1027, 1029
Required: Grade 9 One Credit
Prerequisite: IEP Determination
Grade Weight: College Prep
This is the first year of a course that covers Algebra I topics over a two-year period. Study skills, organization, and fundamental mathematical concepts will provide students with additional support.

**ALGEBRA I BLOCK**
MAT 101, 102, 103
Elective: Grade 9 Two Credits
Prerequisite: None One Math Credit
Grade Weight: College Prep One Elective Credit
This course covers Algebra I topics during two class periods in one year. Study skills, organization, and fundamental mathematical concepts will provide students with additional support.

**ALGEBRA I**
MAT 111, 112, 113
Elective: Grade 9 One Credit
Prerequisite: None
Grade Weight: College Prep
Algebra I is designed to develop skills in using variables, linear equation solving, graphing on the Cartesian Plane, solving linear systems, and exploring the properties of exponents. Additional goals include developing skill in working with quadratics and other polynomial functions.

**ADVANCED ALGEBRA HONORS**
MAT 191, 192, 193
Elective: Grade 9 One Credit
Prerequisite: None
Grade Weight: Honors
This is the first course in an advanced paced curriculum that can lead to either AP Calculus or AP Statistics by senior year. This course covers Systems of Equations and Inequalities, Arithmetic and Geometric Sequences, Features of Functions while focusing on Linear, Exponential and Quadratic Functions as well as Modeling Data.

**ALGEBRA I B**
MAT 1037, 1047
MAT 1039, 1049
Required: Grade 10 One Credit
Prerequisite: IEP Determination
Grade Weight: College Prep
This is the second year of a course that covers Algebra I topics over a two-year period. This course will provide students with additional support in the areas of study skills, organization, and fundamental mathematical concepts.

**GEOMETRY BASIC**
MAT 201, 202, 203
Elective: Grades 10, 11, 12 One Credit
Prerequisite: Algebra I, Algebra I B, or Algebra I Block
Grade Weight: College Prep
MAT 2017, 2027, 2037
MAT 2019, 2029, 2039
Required: Grade 10 One Credit
Prerequisite: IEP Determination
Grade Weight: College Prep
This course develops visualization skills while building a knowledge of the relationships between geometric elements. Furthermore, this course develops deductive reasoning and provides for the integration of plane and solid concepts with an integrated review of algebra content.

**GEOMETRY**
MAT 221, 222, 223
Elective: Grades 10, 11, 12 One Credit
Prerequisite: Algebra I or Algebra I Block
Grade Weight: College Prep
This course develops visualization skills while building a knowledge of the relationships between geometric elements. Furthermore, this course develops deductive reasoning and provides for the integration of plane and solid concepts with an integrated review of algebra content.

**GEOMETRY HONORS**
MAT 231, 232, 233
Elective: Grade 10 One Credit
Prerequisite: Advanced Algebra Honors
Grade Weight: Honors
This course covers topics parallel to Geometry while at an increased level of depth, rigor, and pacing. This is a course of study that will develop powers of visualization while building a knowledge of the relationships between geometric elements. Furthermore, it is a tool to develop deductive reasoning and will provide for the integration of plane and solid concepts with an effective use of algebra.

**INTERMEDIATE ALGEBRA II**
MAT 351, 352, 353
Elective: Grades 11, 12 One Credit
Prerequisite: Geometry or Geometry Basic
Grade Weight: College Prep
Intermediate Algebra develops all of the algebraic concepts from Algebra I and Geometry in greater depth, yet is less rigorous than Algebra II. Emphasis is placed on basic operations associated with the real number system, linear functions, quadratics, matrices, probability, statistics, and right triangle trigonometry.

**ALGEBRA II**
MAT 311, 312, 313
Elective: Grades 11, 12 One Credit
Prerequisite: Geometry or Geometry Basic
Grade Weight: College Prep
This course develops the algebraic concepts from Algebra I in greater depth. Emphasis is placed on basic operations associated with the real number system, polynomials and their various operations, graphs of linear equations, equalities and inequalities, matrices, quadratic functions, probability, and statistics. This course also develops the properties and concepts essential to Trigonometry.

**ADVANCED ALGEBRA II w/PRECALCULUS HONORS A**
MAT 241, 242, 243
Elective: Grade 11 One Credit
Prerequisite: Geometry Honors
Grade Weight: Honors
This course covers topics parallel to Algebra II, while at an increased level of depth, rigor, and pacing. Emphasis is placed on basic operations associated with the real number system, polynomials and their various operations, graphs of linear equations, equalities and inequalities, matrices, quadratic functions, exponents and exponential functions. This course also develops the properties and concepts essential to Trigonometry. Juniors in this course as seniors may elect to take Precalculus Honors B with Calculus A to further their study of mathematics and better prepare for a first year College Calculus course.

**PRECALCULUS HONORS**
MAT 341, 342, 343
Elective: Grade 11 One Credit
Prerequisite: Advanced Algebra Honors and Geometry Honors
Grade Weight: Honors
This course provides an intense study of the topics fundamental to calculus. Emphasis is placed on functions and their graphs with special attention to polynomial, rational, exponential, logarithmic, and trigonometric functions. Upon completion, students should be able to solve practical problems and use appropriate models for analysis and prediction. It is strongly recommended that students who intend to take AP Calculus as seniors take Precalculus Honors.

**PRECALCULUS HONORS B w/CALCULUS A**
MAT 411, 412, 413
Elective: Grade 11 One Credit
Prerequisite: Advanced Algebra Honors II w/Precalculus Honors A
Grade Weight: Honors
This course is second in a sequence that provides students with an opportunity to experience non-AP Calculus in high school. This course begins with an in-depth study of trigonometric functions and their graphs, polar coordinates and then transitions to limits before a full semester of calculus. This course does not cover all of the content of AP Calculus.

**STATISTICS & APPLIED MATH**
MAT 331, 332, 333
Elective: Grade 12 One Credit
Prerequisite: Int. Algebra II or Algebra II
Grade Weight: College Prep
This course is second in a sequence that provides students with an opportunity to experience non-AP Calculus in high school. This course begins with an in-depth study of trigonometric functions and their graphs, polar coordinates and then transitions to limits before a full semester of calculus. This course does not cover all of the content of AP Calculus.

**PRECALCULUS**
MAT 361, 362, 363
Elective: Grades 11, 12 One Credit
Prerequisite: Algebra II
Grade Weight: College Prep
This course emphasizes algebraic techniques with polynomials, fractional expressions, exponents and exponential functions, linear and quadratic equations, trigonometry, and analytic geometry. Students who intend to take Advanced Placement Calculus as seniors are required to take Precalculus Honors as juniors. However, exceptions can be made per approval of the mathematics department chair.

**AP STATISTICS ☼**
MAT 371, 372, 373
Elective: Grades 10 (dept. approval only), 11,12 One Credit
Prerequisite: Algebra II or Geometry Honors
Grade Weight: Advanced Placement
This course examines how probability and statistics help us make...
sense of our world. The course deals with graphical and numerical techniques to study patterns in data; characteristics of data such as shape, location, and variability; differences between association and causation; and data collection. See the Advanced Placement Testing Policy on page 14.

**AP CALCULUS AB ☼**
MAT 441, 442, 443
Elective: Grade 12 One Credit
Prerequisite: Precalculus Honors
Grade Weight: Advanced Placement
This course deals with functions, limits, derivatives, chain rule, continuity, maximum, minimum, sketching graphs, integrals, and natural logarithms. See the Advanced Placement Testing Policy on page 14.

**AP COMPUTER SCIENCE A ☼**
MAT 431, 432, 433
Elective: Grades 11, 12 One Credit
Prerequisite: Algebra II
Grade Weight: Advanced Placement
This course is comparable to an introductory college course for computer science majors. Topics include large program design, algorithms, and data structures. The current programming language is JAVA. See the Advanced Placement Exam Policy on Page 14. If this course has low enrollment, the course may be offered online.

**TRANSITION TO COLLEGE ALGEBRA**
MAT 421, 422, 423
Elective: Grades 11, 12 One Credit
Prerequisite: Intermediate Algebra II or Algebra II
Grade Weight: College Prep
This class is designed to prepare students for college and career pathways in areas such as: Science, Technology, Engineering, and Math or STEM which require advanced algebraic skills or calculus. This course will enable students to transition directly into credit bearing college-level algebra courses at any Illinois community college and participating four year universities. Students will engage in deepening conceptual understanding using algebra and mathematical applications of algebra and functions and how functions naturally arise using authentic modeling situations. The function families (linear, polynomial, rational, radical, and exponential) will be emphasized. Additionally, the course shall emphasize the eight mathematical practices, particularly modeling within the setting of authentic and contextualized applications.
A knowledge of French, Italian, or Spanish is very useful in the medical field, law enforcement business, travel, and social situations as well as in fashion, music, the arts, cuisine, and diplomacy. Many universities require at least two years study of a foreign language for admission and some universities waive the foreign language for students that complete 4 years in high school.

FRENCH I
MLG 101, 102, 103
Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: None
Grade Weight: College Prep
This course gives students the basic communication skills necessary to ask for and provide information about themselves, their friends, and family. Vocabulary building and basic reading/writing skills are also stressed. Audio recordings, films, and videos are used in this class. This class is taught in French.

FRENCH II
MLG 201, 202, 203
Elective: Grades 10, 11, 12 One Credit
Prerequisite: French I
Grade Weight: College Prep
This course continues to develop the French communication skills learned in French I. Students will increase their ability to speak, understand, read, and write French through the use of videos, cassette tapes, and reading selections. This class is taught in French.

FRENCH III
MLG 301, 302, 303
Elective: Grades 11, 12 One Credit
Prerequisite: French II
Grade Weight: College Prep
In addition to a comprehensive review, students read and discuss novels, short stories, and articles in French. Special projects and reading material for the course emphasize aspects of French culture. Students improve their command of oral and written French through exercises, conversations, games, and films. This class is taught in French.

FRENCH IV HONORS ☀
MLG 401, 402, 403
Elective: Grade 12 One Credit
Prerequisite: French III
Grade Weight: Honors
Reading selections are a continuation of those of French III; they are discussed in French, helping to improve students' conversational abilities. Additional reading and audio-visual presentations help students learn. This class is taught in French. Students have the opportunity to take the AP French Language Exam in May.

AP FRENCH LANGUAGE & CULTURE ☀
MLG 471, 472, 473
Elective: Grade 12 One Credit
Prerequisite: French III or Teacher Recommendation
Grade Weight: Advanced Placement
French IV AP is conducted entirely in French. This course is designed to increase the students’ ability to express ideas orally and in writing with accuracy and fluency, in order to equip them to use the language effectively in college and/or work, and to discuss literary works. The course provides opportunities for students to demonstrate their proficiency in French across the three modes of communication (interpersonal, interpretive, and presentational) outlined in the Standards for Foreign Language Learning in the 21st Century. Students will take the AP French Language Examination in May because much of the course consists of preparation for this exam. See the Advanced Placement Testing Policy on page 14.

SPANISH I
MLG 111, 112, 113
Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: None
Grade Weight: College Prep
This course introduces students to the Spanish language. Through a natural approach, students progress from understanding to communicating in basic Spanish. There is a strong emphasis on establishing a comprehensive vocabulary base. Students are exposed to selected short readings and writing short paragraphs. Audio recordings, films, and videos are used in this class. This class is taught in Spanish.

SPANISH I-Heritage
MLG 131, 132, 133
Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: Placement test for students with knowledge of the Spanish language.
Grade Weight: College Prep
This course will further develop the students' knowledge of the Spanish language, emphasizing comprehension through basic reading and writing activities. A variety of materials including authentic readings, audio recordings, films, and videos, along with other technology are used. Students will be introduced to various study skill techniques. This class is taught in Spanish.

SPANISH II
MLG 211, 212, 213
Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: Spanish I or completion of similar course in elementary school or junior high school, or native experience in Spanish.
Grade Weight: College Prep
This course will increase the student's knowledge of Spanish, emphasizing comprehension through more extensive reading and writing activities. Dialogues, short novels, special units, and videos provide a basis for communicating in the language. This class is taught in Spanish.
SPANISH II-Heritage
MLG 231, 232, 233
Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: Spanish IX or placement test for students with knowledge of the Spanish language.
Grade Weight: College Prep
This course will increase the student's knowledge of the Spanish language, emphasizing comprehension through extensive reading and writing activities. The study of the language will be complemented with a variety of materials, including authentic readings. Students will be introduced to various study skill techniques. Audio recordings, films, and videos, along with other technology are used in this class. This class is taught in Spanish.

SPANISH III
MLG 311, 312, 313
Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: Spanish II, Spanish II-X, or placement test for students with knowledge of the Spanish language.
Grade Weight: College Prep
This course is conducted in Spanish, using the basic knowledge of the language gained in the first two years. A comprehensive study of grammar is offered as well as practice reading, writing, and communicating in Spanish through the use of presentations, novels, short stories, films, video programs, and articles.

SPANISH IV HONORS ☀
MLG 411, 412, 413
Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: Spanish III or placement test for students with knowledge of the Spanish language.
Grade Weight: Honors
This course is conducted in Spanish using the basic knowledge of the language gained in the first three years. A comprehensive review of grammar is made, acquainting students with all aspects of basic Spanish grammar. With novels, short stories, and articles, students get practice reading and writing the language; discussing these materials in Spanish helps improve the students' conversational abilities. Students will make oral presentations on various topics, which will be followed by discussions.

AP SPANISH LANGUAGE & CULTURE ☀
MLG 431, 432, 433
Elective: Grades 10, 11, 12 One Credit
Prerequisite: Spanish IV
Grade Weight: Advanced Placement
This course is conducted in Spanish. This class is designed to increase the students' ability to express ideas orally and in writing with accuracy and fluency, to equip them to use the language effectively in college and/or work, and to discuss literary works. Students will take the AP Spanish Language Examination in May because much of the course consists of preparation for this exam. See the Advanced Placement Testing Policy on page 14.

AP SPANISH LITERATURE & CULTURE ☀
MLG 441, 442, 443
Elective: Grade 12 One Credit
Prerequisite: Spanish V AP or Teacher Recommendation
Grade Weight: Advanced Placement
This course is conducted entirely in Spanish. This course is designed to continue students' formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The course provides opportunities for students to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities) outlined in the Standards for Foreign Language Learning in the 21st Century. Students will take the AP Spanish Literature and Culture Examination in May because much of the course consists of preparation for this exam. See the Advanced Placement Testing Policy on page 14.

SPANISH & LATIN AMERICAN FILM
MLG 340
Elective: Grade 11, 12 One-Half Credit
Prerequisite: Spanish IV Honors or equivalent competency
Grade Weight: College Prep
This course is conducted completely in Spanish and will provide students with an opportunity to analyze film as a visual art form and source of text. It will focus on Spanish and Latin American film in order to build skills in the four domains of language (reading, writing, speaking and listening), as well as improve students' cultural competency. Additionally, as students explore and analyze literary, historical and social themes they will become more knowledgeable Spanish-speaking global citizens.

ITALIAN I
MLG 121, 122, 123
Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: None
Grade Weight: College Prep
This course offers a basic knowledge of Italian, stressing communication and interpersonal relationships in the Italian culture. Students move through a natural approach, progressing from understanding to communicating in basic Italian. Students are exposed to short readings and writing experiences. Audio recordings, films, and videos are used in class. This class is taught in Italian.

ITALIAN II
MLG 221, 222, 223
Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: Italian I or placement test for students with knowledge of the Italian language.
Grade Weight: College Prep
This course will increase the students' knowledge of Italian, emphasizing comprehension through more extensive reading and writing activities. Dialogues, short novels, videos, and audio recordings provide a basis for communicating in the language. This class is taught in Italian.
ITALIAN III
MLG 321, 322, 323
Elective: Grades 9, 10, 11, 12 One Credit
Prerequisite: Italian II or placement test for students with knowledge of the Italian language.
Grade Weight: College Prep
This course is taught in Italian, using the basic knowledge of the language gained in the first two years. A comprehensive study of grammar is offered as well as practice reading, writing, and communicating in Italian through the use of novels, short stories, special units, films, video programs, and articles.

ITALIAN IV HONORS ☮
MLG 421, 422, 423
Elective: Grades 11, 12 One Credit
Prerequisite: Italian III or placement test for students with knowledge of the Italian language.
Grade Weight: Honors
This course is taught in Italian. Reading selections are discussed to improve the students' conversational ability. Novels, short stories, and articles provide a basis for class discussions. A review of the previous years' grammatical content helps students master this aspect of Italian. Students have the opportunity to take the AP Italian Language Examination in May.

AP ITALIAN LANGUAGE & CULTURE ☮
MLG 461, 462, 463
Elective: Grade 12 One Credit
Prerequisite: Italian III or Teacher Recommendation
Grade Weight: Advanced Placement
This course is conducted entirely in Italian. This course is designed to increase the students' ability to express ideas orally and in writing with accuracy and fluency in order to equip them to use the language effectively in college and/or work and to discuss literary works. The course provides opportunities for students to demonstrate their proficiency in Italian across the three modes of communication (interpersonal, interpretive, and presentational) outlined in the Standards for Foreign Language Learning in the 21st Century. Students will take the AP Italian Language Examination in May because much of the course consists of preparation for this exam. See the Advanced Placement Testing Policy on page 14.
MUSIC
Music 2020-2021

Choir

- Concert Choir
- Bel Canto Chorale (East)
- A Cappella Choir Honors (East)
- Varsity Choir Honors (West)

Band

- Concert Band
- Symphonic Band Honors

Electives

- String Orchestra Honors
- Digital Music Production
Students may apply up to four units of music performance classes towards graduation requirements. Additional music classes continue to be counted towards a student's grade point average. Music classes are open enrollment and may be taken for one or two semesters each year. All students may also enroll in Leyden's summer school music course offering, Marching Band. Students may also participate in the Music Department's extra-curricular offerings: Jazz Ensembles, Chamber Singers, Color Guard, GraceNotes, Unresolved, and Drum Club.

Because the music groups regularly serve the school and community, performances and rehearsals outside of the regular school day are an expected and required component of these elective courses and related extra-curricular offerings.

(Except 4th year Choir/Band courses qualify as Capstone.)

**CONCERT CHOIR**

MUS 101, 102
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep

Students who wish to participate must simply enjoy singing. Musical background or prior experience is not necessary. Fundamentals of music and vocal development are stressed. This choir participates in all choral concerts given throughout the year. This class fulfills the fine arts graduation requirement.

Female vocal students have the opportunity to audition for Bel Canto Chorale. This advanced level female section of the Concert Choir class performs representative treble choir works for all curricular concerts and various clinics.

**BEL CANTO CHORALE (East)**

MUS 151, 152
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: Audition
Grade Weight: College Prep

This advanced female choral ensemble course is offered at East Leyden. Performing advanced treble literature, this choir serves as a training ensemble for placement into A Cappella Choir. Placement in this course is determined through audition. This class fulfills the fine arts graduation requirement.

**A CAPPELLA CHOIR HONORS (East)**

MUS 201, 202
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Audition
Grade Weight: Honors

Performing highest quality literature, this choir's activities include participation in all curricular choir concerts, various clinics, and area school performances. This course is offered exclusively at East Leyden and is designed for the more advanced singers at East Leyden. Students must audition for placement into this course. This class fulfills the fine arts graduation requirement.

**SYMPHONIC BAND HONORS**

MUS 141, 142
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: Audition
Grade Weight: Honors

Membership is competitive and is through audition. Performing the highest quality literature, Symphonic Band members are featured performers at many concerts, contests, festivals, and community functions. Symphonic Band members may also perform in the Marching and/or Basketball Bands. The Symphonic Band also participates in selected educational field trip performances and tours. Performances and rehearsals outside of the school day are an expected component of this group's schedule. This class receives honors credit and fulfills the fine arts graduation requirement.

**STRING ORCHESTRA HONORS**

MUS 161, 162
Elective: Grades 9, 10, 11, 12 One-Half Credit
Prerequisite: Audition
Grade Weight: Honors

The String Orchestra performs a wide variety of fundamental orchestral literature ranging from symphonic classics to contemporary/pop music. Enrollment in this group is open to string instrument players. Experienced piano and guitar students may also participate with director approval. This group is showcased at select school and community functions in addition to performing in featured concerts. The String Orchestra also participates in selected educational field trip performances and tours. Performances and rehearsals out-
side of the school day are an expected component of this group's schedule. This class receives honors credit and fulfills the fine arts graduation requirement.

DIGITAL MUSIC PRODUCTION
MUS 240
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: College Prep
In this non-performance class, students of various musical backgrounds will use recording and editing software to create original digital music compositions. This one-semester course focuses on studying various musical styles and how they are created. By the end of the course, students of all music ability levels will have created a digital audio file portfolio demonstrating their own musical style and interests.
PHYSICAL EDUCATION
Physical Education 2020-2021

Health | Physical Education | Driver Education and Safety

Freshmen
- Freshman Health
- Freshman P.E.

Sophomores
- Sophomore P.E.
- Sophomore Athletic P.E.
- Driver Education and Safety

Juniors
- Junior/Senior P.E.
- *Physical Management
- Independent Study P.E.
- *Junior/Senior Athletic P.E.
- Adventure Education

Seniors
- 

*Indicates "Dual Credit"
PHYSICAL EDUCATION

Mr. Christopher Cook, Chairperson
(847) 451-3172 or (847) 451-3613
ccook@leyden212.org

FRESHMAN HEALTH
PEH 100 FR HEALTH
Required: Grade 9 One-Half Credit
Prerequisite: None
Grade Weight: College Prep

PEH 1007 PEH 1009
Required: Grade 9 One-Half Credit
Prerequisite: IEP Determination
Grade Weight: College Prep

This is a required coeducational class using a wellness approach and stressing prevention and self-responsibility through informed choices. Topics include: Physical Wellness (chronic diseases, tobacco, nutrition, weight control); Mental Wellness (self-concept, stress, relationships, assertive behavior, sexual harassment); Drug Awareness (alcohol, marijuana, other drugs, use/abuse/addiction); and Healthy Sexuality (reproductive system, pregnancy, childbirth, abstinence, birth control, STDs).

FRESHMAN P.E.
PEH 181, 182
Required: Grade 9 One-Half Credit
Prerequisite: None
Grade Weight: College Prep

PPR 1817, 1827
Required: Grade 9, 10 One-Half Credit
Prerequisite: IEP Determination
Grade Weight: College Prep

A variety of physical activities are provided for freshman students, including instruction in sport techniques for both team and individual sports. The team/individual sports covered in this course expand on what was learned during freshman year. These units will develop cooperation, trust, group dynamics, sportsmanship, and decision-making skills. The development of personal physical fitness and social-emotional wellbeing is well integrated into the program.

SOPHOMORE P.E.
PEH 221, 222
Elective: Grade 10 One-Half Credit
Prerequisite: None
Grade Weight: College Prep

PPR 2217, 2227
Required: Grade 10 One-Half Credit
Prerequisite: IEP Determination
Grade Weight: College Prep

<table>
<thead>
<tr>
<th>Badminton</th>
<th>Basketball</th>
<th>Football</th>
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<tbody>
<tr>
<td>Fitness Testing</td>
<td>Soccer</td>
<td>Softball</td>
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<tr>
<td>Swimming</td>
<td>Team Building</td>
<td>Volleyball</td>
</tr>
<tr>
<td>Tennis</td>
<td>Weight Training</td>
<td>Wrestling</td>
</tr>
</tbody>
</table>

A variety of physical activities are provided for sophomore students including instruction in sport techniques for both team and individual sports. The team/individual sports covered in this course expand on what was learned during freshman year. These units will develop cooperation, trust, group dynamics, sportsmanship, and decision-making skills. Social emotional wellbeing will be integrated into this program, and students will development an Individual Exercise Plan based on their own physical fitness.

SOPHOMORE ATHLETIC P.E.
PEH 241, 242
Elective: Grade 10 One-Half Credit
Prerequisite: None
Grade Weight: College Prep

This is a rigorous P.E. class designed for the sophomore who plans to participate in one or more sophomore and/or varsity sports. This class concentrates on strengthening "core" muscle groups and improving speed.

DRIVER EDUCATION AND SAFETY
PEH 231, 232
Elective: Grades 10, 11, 12 One-Half Credit
Prerequisite: Sophomore standing (must be 15 years old at inception of course). *SEE SPECIAL NOTE.
Grade Weight: College Prep

| Classroom Phase - Students may be scheduled by birthdate (oldest student first) for Driver Education for one quarter in lieu of their Physical Education class. Students will receive extensive instruction in basic Illinois Rules of the Road, defensive driving strategies, and critical-thinking skills in common emergency situations. Instruction and discussion in areas such as purchasing and insuring a car, driving under the influence of alcohol and drugs, and developing proper attitudes for becoming safe new drivers will be covered in the classroom phase. Wellness and safety topics include: cardiovascular, respiratory, skeletal, and muscular. This course will emphasize the components of fitness and the principles of exercise. The students will learn the techniques of first aid and CPR/AED training. |
Behind-the-Wheel - Following successful completion of the classroom phase of Driver Education, students may register for behind-the-wheel instruction during the following summer. Students will be scheduled for a two week block of time for their summer behind-the-wheel instruction. Note: A fee must be paid before beginning the behind-the-wheel portion of the course.

*SPECIAL NOTE: Illinois law requires that any high school student who wishes to enroll in Driver Education must have earned four credits in the previous two semesters to be eligible to enroll in the course. Students who violate the Board of Education policies regarding substance abuse will not be permitted to participate in Leyden Driver Education until the fall of their junior year.

JUNIOR/SENIOR P.E.
PEH 371, 372
Required: Grade 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
The junior/senior physical education program is organized so each student has the opportunity to participate in a wide variety of indoor, outdoor, individual, team, and fitness activities. The program puts emphasis on fitness, wellness, and lifelong skills. Students will be encouraged to gain an active appreciation for the positive role of physical fitness in overall health and well-being and to develop socially useful participation skills. Each semester, students will participate in four or five activities from the following list with fitness a component in each activity:

<table>
<thead>
<tr>
<th>Aerobics</th>
<th>Badminton</th>
<th>Basketball</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bowling ‡</td>
<td>Flag Football</td>
<td>Floor Hockey</td>
</tr>
<tr>
<td>Golf</td>
<td>Soccer</td>
<td>Softball</td>
</tr>
<tr>
<td>Speedball</td>
<td>Tennis</td>
<td>Ultimate Games</td>
</tr>
<tr>
<td>Volleyball</td>
<td>Weight Training</td>
<td>Yoga</td>
</tr>
</tbody>
</table>

‡ Students will incur a small fee.

ADVENTURE EDUCATION
PEH 441, 442, 443
Elective: Grades 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
Students learn to set personal goals and challenge themselves. They will develop their communication, leadership, and problem-solving skills through various team building activities. They will learn to cooperate and trust each other as they work together while climbing our wall and high ropes course. This course may be taken either or both semesters.

JUNIOR/SENIOR ATHLETIC P.E. ☉
PEH 261, 262, 263
Elective: Grades 11, 12 One Credit
Prerequisite: None
Grade Weight: College Prep / Honors

This is a continuation of the strength and conditioning programs started in the Sophomore Athletic P. E. class. This class is designed for the junior and/or senior who plans to participate in one or more varsity sports. This is a dual credit course. Students can receive college credit for successful completion of this course and is eligible to earn Honors grade weight.

PHYSICAL MANAGEMENT
PEH 251, 252, 253
Required: Grades 11, 12 One Credit
Prerequisite: None
Grade Weight: College Prep / Honors
Students learn principles of physical education and nutrition to gain understanding of physical well-being. Students learn to create and manage a healthy lifestyle. This is a dual credit course. Students can receive college credit for successful completion of this course and is eligible to earn Honors grade weight.

PHYSICAL EDUCATION
Independent Study
PEH 331, 332, 333
Elective: Grades 11, 12 One-half Credit
Prerequisite: Department Approval
Grade Weight: College Prep
This course is designed for students to be able to exercise on their own to accomplish their individual goals. Students will meet before school for two weeks at the beginning of the semester and at the end of the semester for fitness testing. Students will set their goals based on their fitness test results and desired individual outcomes. Students will learn the importance of physical activity and the principles associated with the different types of training. Students will learn how to use a heart rate monitor to measure the effects of each workout. Finally students will learn the anatomy of a variety of body systems and how physical activity benefits each.
SCIENCE
Mr. John Kmet, Chairperson  
(847) 451-3631 or  
(847) 451-3604  
jkmet@leyden212.org

PHYSICAL SCIENCE
SCI 101, 102, 103  
Required: Grade 9  
Prerequisite: None  
Grade Weight: College Prep

SCI 131, 132, 133  
Required: Grade 9  
Prerequisite: None  
Grade Weight: College Prep

SCI 1317, 1327, 1337  
SCI 1319, 1329, 1339  
Required: Grade 9  
Prerequisite: IEP Determination  
Grade Weight: College Prep

Introductory laboratory experience is a fundamental part of this course which is designed to give students a general knowledge of Chemistry and Physics. Major concepts associated with Earth Science and Astronomy are included during second semester. Course content will emphasize the real-life applications of science in a technological society as well as the processes, techniques, and methods for scientific investigation and problem-solving. A graphing calculator is required. Electronic resources are frequently accessed via the student Chromebook.

BIOLOGY
SCI 201, 202, 203  
Required: Grade 10  
Prerequisite: None  
Grade Weight: College Prep

SCI 251, 252, 253  
Required: Grade 9, 10  
Prerequisite: None  
Grade Weight: College Prep

SCI 2517, 2527, 2537  
SCI 2519, 2529, 2539  
Required: Grade 10  
Prerequisite: IEP Determination  
Grade Weight: College Prep

The course content includes concepts and basic terminology of biology and their application to life and work in a contemporary technological society as well as their implications on social issues. The principles of scientific research are studied and applied to activities which includes dissection.*

*BIOLOGY HONORS
SCI 121, 122, 123  
Required: Grades 9, 10  
Prerequisite: None  
Grade Weight: Honors

This course content includes concepts and basic terminology of biological science, its implications on social issues as well as applications to life and work in a contemporary technological society. Curricular practices reflect the transition toward the Next Generation Science Standards. The principles of scientific research are studied and applied in a variety of lab experiences, which may include dissection.* There is a stronger emphasis on the process, techniques, and equipment used in laboratory experiments compared to a regular biology course.

*Alternatives to dissection are available for students who do not wish to participate in this learning opportunity. These may include a written assignment, studying dissection diagrams, viewing the dissection as a non-participant, or using electronic alternatives. Students are still responsible for the information and will be assessed on it.

CHEMISTRY
SCI 311, 312, 313  
Required: Grade 10  
Elective: Grades 11, 12  
Prerequisite: Biology or Biology Honors and one unit of Algebra 1 or Advanced Algebra Honors  
Grade Weight: College Prep

This is an introductory chemistry course designed to give students working knowledge of chemistry that can be found in everyday life as well as chemistry’s role in society and technology. The course surveys major scientific topics including matter, motion, energy, and waves and their application to chemistry. Students will use problem solving skills and mathematical applications to develop and use models, plan and carry out investigations, construction explanations, and design solutions. Emphasis is on scientific and chemical literacy in a lab-intensive environment.

CHEMISTRY HONORS
SCI 221, 222, 223  
Elective: Grades 10, 11  
Prerequisite: One unit of Biology Honors, enrollment in Honors Geometry or achieved a grade of A or B in Algebra I  
Grade Weight: Honors

This is an enriched chemistry course that moves more rapidly than regular chemistry. Topics are covered in depth with emphasis on mathematical applications. Students will receive instruction and practice in problem solving, critical thinking, and the use of technology to acquire and manipulate lab data. Good math ability and a high interest in science are recommended. A scientific calculator is required.
PHYSICS
SCI 321, 322, 323
Elective: Grades 11, 12 One Credit
Prerequisite: Two units of Science; two units of Math, concurrent enrollment in third unit of Math
Grade Weight: College Prep
Physics is designed as a practical and conceptual approach to the study of sound, light, motion, forces, energy, heat, electricity, magnetism, and atomic and nuclear interactions. The focus is on critical thinking rather than algebraic problem solving. A practical laboratory approach is used, and data manipulation is kept to a minimum. A graphing calculator is required.

PHYSICS HONORS
SCI 331, 332, 333
Elective: Grades 11, 12 One Credit
Prerequisite: One unit of Chemistry or Chemistry Honors, and concurrent enrollment in Algebra II Honors or above.
Grade Weight: Honors
The physics honors course is designed for college preparatory and technical preparatory students. Physics honors is the introductory course emphasizing mechanics and wave theory. A hands-on approach is used in the study of sound, light, motion, forces, energy, and electricity. Assembly and use of apparatus and evaluation of data is stressed. A thorough understanding of algebra is essential.

ANATOMY AND PHYSIOLOGY
SCI 471, 472, 473
Elective: Grades 11, 12 One Credit
Prerequisite: Two units of Science and two units of Math (one unit of Chemistry or concurrent enrollment in Chemistry is recommended)
Grade Weight: College Prep
Anatomy and Physiology is a year-long course that explores the structure and function of the major systems of the human body. The course offers a more extensive and in-depth account of the human body than is presented in biology and health classes. The course is laboratory intensive, incorporating dissection*, physiological measurement techniques, and other activities exploring the human body. A basic understanding of biological and chemical processes is recommended.
*Alternatives to dissection are available for students who do not wish to participate in this learning opportunity. These may include a written assignment, studying dissection diagrams, viewing the dissection as a non-participant, or using electronic alternatives. Students are still responsible for the information and will be assessed on it.

AP BIOLOGY ☼
SCI 341, 342, 343
Elective: Grades 11, 12 One Credit
Prerequisite: Two units of Science including one unit of Chemistry or Chemistry Honors; two units of Math & concurrent enrollment in third unit of Math
Grade Weight: Advanced Placement
This college-level biology course is designed to investigate the modern biology concepts of biochemistry, cell biology, molecular genetics, ecology, evolution, and plant/animal physiology as outlined by The College Board. Problem solving and critical thinking skills are developed through analytical, inquiry-based laboratory investigations. A mammalian dissection is required.* See Advanced Placement Testing Policy on page 14.
*Alternatives to dissection are available for students who do not wish to participate in this learning opportunity. These may include a written assignment, studying dissection diagrams, viewing the dissection as a non-participant, or using electronic alternatives. Students are still responsible for the information and will be assessed on it.

AP CHEMISTRY ☼
SCI 431, 432, 433
Elective: Grade 12 Two Credits
Prerequisite: Three years of science; Physics recommended
Grade Weight: Advanced Placement
This two-period class is a comprehensive study of chemistry involving extensive laboratory experience. Mathematical application of concepts is stressed, therefore, a strong mathematics background is essential. The course will provide excellent preparation for further college studies in science. See the Advanced Placement Testing Policy on page 14.

AP PHYSICS I ☼
SCI 421, 422, 423
Elective: Grades 11, 12 One Credit
Prerequisite: Concurrent enrollment in Precalculus or above.
Grade Weight: Advanced Placement
AP Physics I is an Algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. See the Advanced Placement Testing Policy on page 14.

AP PHYSICS II ☼
SCI 441, 442, 443
Elective: Grade 12 One Credit
Prerequisite: AP Physics I or Physics Honors and concurrent enrollment in Precalculus
Grade Weight: Advanced Placement
AP Physics II is an Algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. See the Advanced Placement Testing Policy on page 14.

MEDICAL CAREERS
SCI 350
Elective: Grades 11, 12 One Credit
Prerequisite: Successful completion of two years of Science
Grade Weight: College Prep
Medical Careers is designed to prepare students for careers in the healthcare industry. Students who enroll in this course will be enrolled in both a Family and Consumers Sciences course as well as a Science
course. To give students the best learning experience possible, they will spend a total of eight weeks observing medical professionals in the community at locations such as hospitals, clinics, retirement homes, and fire departments. The Science portion of the course will engage students in hands-on learning opportunities to master skills such as using personal protection equipment in a hospital setting. Students will also be introduced to human anatomy and medical terms that they will use in their future careers. Additionally, in the Family and Consumer Sciences portion, students will discover the importance of medical law and ethics along with professionalism. They will also identify employability skills relevant to this industry and what they can do to improve these skills. Field trips include visiting a hands-on cadaver lab and a college program exploration at Triton College. At the completion of this course, students will receive Red Cross First Aid, CPR, and AED certifications which are basic requirements for entry-level jobs in this field.

**Students are required to be up-to-date on Varicella, MMR, Hep B, and Tdap vaccinations, obtain a current flu shot, and receive a negative result on a Tuberculosis Test.**

**MEDICAL CAREERS Independent Study**

TDE 310

Elective: Grades 11, 12 One-Half Credit
Prerequisite: Medical Careers, AP BIO, and/or Anatomy + Physiology
Grade Weight: College Prep

After completion of Medical Careers, or AP Biology and/or Anatomy and Physiology, students may enroll in the Medical Careers Independent Study. This independent study is for students interested in earning their Certified Nurse's Assistant credential. Class meets at Triton College from 2:30 p.m. - 4:15 p.m., Tuesday through Thursday, with additional lab hours required on Saturdays. Upon successful completion of this course, students will earn an industry-recognized certification (CNA). Students need a 500 on the SAT reading and writing or a +471 score on the Next Generation Accuplacer reading placement test. Students that successfully complete the course will be waived of all fees. Students who fail the course will be subject to a $1,250.00 course and book fee.

Students are required to attend an informational session, obtain the seasonal flu vaccine, and a TB test before beginning their lab hours.

**EARTH SCIENCE**

SCI 360

Elective: Grades 11, 12 One-Half Credit
Prerequisite: Two units Science and two units Math
Grade Weight: College Prep

Earth, its atmosphere, and the universe are dynamic systems that are constantly changing due to forces acting upon them. The study of Earth Science raises many questions about our past, present, and future. These questions will be addressed through units of study that cover an introduction to Earth Science, the forces within Earth, Meteorology, and Astronomy.

**CHEMISTRY OF FOODS**

SCI 370

Elective: Grades 11, 12 One-Half Credit
Prerequisite: Two units Science and two units Math
Grade Weight: College Prep
SOCIAL STUDIES
Civics will be a graduation requirement for the Class of 2020 and beyond.
Social Studies teaches the understanding of different cultures, attitudes, and behaviors in our world today. Courses emphasize the role of the United States and the skills necessary for citizenship in American democracy. We live in a global society where mature social concepts, both on domestic and international levels, are necessary for peace and progress.

**SOCIAL STUDIES**

**Mr. David Elbaum, Chairperson**  
(847) 451-3641 or  
(847) 451-3602  
delbaum@leyden212.org

**GLOBAL STUDIES**

SOC 101, 102, 103  
Required: Grade 9  
Prerequisite: None  
Grade Weight: College Prep

SOC 141, 142, 143  
Required: Grade 9  
Prerequisite: None  
Grade Weight: College Prep

SOC 1417, 1427, 1437  
SOC 1419, 1429, 1439  
Required: Grade 9  
Prerequisite: IEP Determination  
Grade Weight: College Prep

This course provides an introduction to the comparative study of cultures and religions throughout world history. The course concludes with a historical study of world conflict as it pertains to culture and religion. Emphasis is also placed on the study of genocide throughout the world. Development of reading and critical thinking is stressed.

**GLOBAL STUDIES HONORS**

SOC 161, 162, 163  
Required: Grade 9  
Prerequisite: None  
Grade Weight: Honors

This survey course provides an introduction to the comparative study of geography, culture, religion, political science, economics, and genocide. Each semester concludes with the study of world conflict as it pertains to the areas covered during that particular semester. The course focuses on the development of writing, reading, and critical thinking skills.

**CIVICS**

SOC 250  
Required: Grade 10, 11, 12  
Prerequisite: None  
Grade Weight: College Prep

Civics is a one-semester course which explores the question: “What are the knowledge, skills, attitudes, and actions of an effective citizen in a democratic republic?” Students investigate the answer to this question through a simulated legislative body where they interact with students from all other civics classes in the school. Students are expected to show growth in their ability to apply their knowledge and understanding of local, state, and federal government concepts throughout the simulation as well as develop their problem solving, decision making, and critical thinking skills. This course satisfies the U.S. and Illinois Constitution requirement for graduation.

**LAW**

SOC 240  
Elective: Grades 10, 11, 12  
One-Half Credit

Prerequisite: None  
Grade Weight: College Prep

This one-semester course deals with the study of jurisprudence and the American court system. The focus of material includes Constitutional law, family law, and criminal law. Students will engage in a mock trial. Special emphasis is placed on the development of reading, writing, technology, and oral presentation skills.

**PSYCHOLOGY**

SOC 380  
Elective: Grades 10, 11, 12  
One-Half Credit

Prerequisite: None  
Grade Weight: College Prep

This one-semester course is designed to expose students to the world of normal psychology. Attention is paid to the biology and chemistry of the human brain. Emphasis is placed on the psychological research regarding sleep, dreams, mental health, and learning. This course requires reading, oral and written communication, and research skills.

**ECONOMICS HONORS**

SOC 440  
Elective: Grade 10, 11, 12  
One-Half Credit

Prerequisite: None  
Grade Weight: Honors

Economics focuses on the areas of production, consumption, distribution of goods, price determination, government and the economy, economic stability and growth, comparative economics, classical and contemporary economic theories, and economic problems. Emphasis is placed on the structure and functioning of the free enterprise system and the quality of economic systems in general. **This course meets the consumer education graduation requirement.**

**SOCIOLOGY HONORS**

SOC 450  
Elective: Grades 10, 11, 12  
One-Half Credit

Prerequisite: None  
Grade Weight: Honors

The course teaches the basic concepts, methods, and perspectives of sociology as a social science in order to examine the basic nature of human relationships. Looking at customs, institutions, social
structure, and culture, the course explores how these relationships affect our fundamental concerns and values, beliefs, and behavior. The course considers such topics as family life, groups and organizations, sex and age roles, minorities and social classes, religious and political movements, and social problems.

AP U.S. GOVERNMENT & POLITICS ☼
SOC 361, 362, 363
Elective: Grades 10, 11, 12 One Credit
Prerequisite: None
Grade Weight: Advanced Placement
This full-year course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes through which students learn to apply disciplinary reasoning, assess the causes and consequences of political events, and interpret data to develop evidence-based arguments. Students will also participate in the Civics legislative simulation. This course satisfies the U.S. and Illinois Constitution requirement for graduation. See the Advanced Placement Testing Policy on page 14.

AP EUROPEAN HISTORY ☼
SOC 221, 222, 223
Elective: Grades 10, 11, 12 One Credit
Prerequisite: Global Studies or Global Studies Honors
Grade Weight: Advanced Placement
The study of European History since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions and the role of continuity and change in present-day society and politics, and the evolution of current artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goal of the AP program in European History is to develop an understanding of the principal themes in modern European history, an ability to analyze historical evidence and interpretation, and an ability to express historical understanding in writing. See the Advanced Placement Testing Policy on page 14.

AP PSYCHOLOGY ☼
SOC 481, 482, 483
Elective: Grades 10, 11, 12 One Credit
Prerequisite: None
Grade Weight: Advanced Placement
This year-long course provides an accelerated study of psychology. Students acquire understandings equivalent to those gained in a college-level introductory course. Coursework offers a general study of terms and concepts that psychologists use as well as concentration in theories of learning development, personality, emotions, feelings, self-awareness, problems of the unconscious, and social psychology. This course will prepare students to take the College Board Advanced Placement Exam. See the Advanced Placement Testing Policy on page 14.

UNITED STATES HISTORY
SOC 311, 312, 313
Required: Grade 11 One Credit
Prerequisite: None
Grade Weight: College Prep
SOC 3117, 3127, 3137
SOC 3119, 3129, 3139
Required: Grade 11 One Credit
Prerequisite: IEP Determination
Grade Weight: College Prep
U.S. History is a chronological study of the major political, economic, social, and cultural events from the creation of the Constitution to the present. The importance of geography in the development of the nation is stressed as well as the role played by important persons. Attention is given to the impact of art and music on our history. Students also learn about current issues and problems and their connection to the events of the past. Preparation for the U.S. and Illinois Constitution exams, both graduation requirements, is offered in this class.

UNITED STATES HISTORY AMERICAN STUDIES
SOC 341, 342
Required: Grade 11 One Credit
Prerequisite: None
Grade Weight: College Prep
"What is an American?" This question and many more are explored in American Studies, a course where students gain insight into what we've done as a nation and what we've thought, felt, and dreamt. The synergy of topics in American history and American literature provides more material, modes, and time for asking essential questions about our nation's development. By exploring recurring themes in literature and history, students recognize the connectedness of human experience. Ultimately, they gain a better understanding of the development of the United States and their roles as citizens in this nation. Students must enroll in English III American Studies and U.S. History American Studies concurrently.

UNITED STATES HISTORY HONORS
SOC 321, 322, 323
Required: Grade 11 One Credit
Prerequisite: None
Grade Weight: Honors
This course covers the same content as U.S. History, but more emphasis is placed on depth of subject matter. Attention is given to ideas, cause and effect relationships, supplemental readings, and research work. The study of the past is used in an attempt to understand contemporary issues and problems. Critical thinking, problem solving, role playing, interpretation of primary sources, and oral recitation are required. Preparation for the U.S. and Illinois Constitution, both graduation requirements, is offered in this class.

UNITED STATES HISTORY
SOC 331, 332, 333
Required: Grade 11 One Credit
Prerequisite: None
Grade Weight: Advanced Placement
This course is part of a national program which enables top students to obtain college credit for high school work. In preparation for the national advanced placement exam, students will be expected to do extensive reading of primary source documents, develop analytical essays, and demonstrate critical-thinking skills by identifying significant themes in American history. This course chronologically examines the development of the United States. Preparation for the U.S. and Illinois Constitution exams, both graduation requirements, is offered in this class. See the Advanced Placement Testing Policy on page 14.

LATIN AMERICAN STUDIES
SOC 260
Elective: Grade 10, 11, 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
Latin American Studies serves as an effort to decenter the Western lens of history and social studies and afford students the opportunity to engage with a study of Latin America and Latin American issues through research, writing, and critical thinking. This course includes a personal exploration of racial and ethnic identity as well as an exploration of the complex origins, realities, and contemporary issues of the Latin American community in relation to one’s lived experience. Engagement with the history of the Latin American community in Leyden Township is achieved through examining the origins of Latin American migration to the United States, contemporary social issues in the Latin American community, and questions surrounding the Latin American identity in the twenty-first century.

SOCIAL STUDIES SEMINAR
SOC 420
Elective: Grade 12 One-Half Credit
Prerequisite: None
Grade Weight: College Prep
Social Studies Seminar is an opportunity to explore a specific topic within the social sciences in depth over a semester. This seminar is intended to give students the personal experience of becoming a social scientist through a wide variety of skill-building activities and projects.
ADDITIONAL SERVICES
For additional information regarding these courses please contact:

Ms. Rebecca Burger, Chairperson
(847) 451-5575 or rburger@leyden212.org
or
Mr. Joe DeGiulio, Chairperson
(847) 451-3171 or jdegiulio@leyden212.org
or
Ms. Meghan O’Neil
(847) 451-3187 or moneil@leyden212.org

SOCIAL COMMUNICATION
ENG 1519, 1529, 1539
Elective    One Credit
Prerequisite: IEP Determination
Students with an IEP that have demonstrated significant difficulty with social thinking, perspective taking, self-advocacy, nonverbal communication, social problem solving, communication rule following, and developing appropriate relationships.
Grade Weight: College Prep
The purpose of this course is to facilitate and encourage students with IEPs to improve their social communication skills in school and community environments. This will be done through various units with the overall objective of increasing students’ awareness of themselves (strengths, weaknesses, disabilities, needs, etc.); strengthening specific skill deficits through teaching, role-playing, and practicing skills in natural contexts; and teaching problem-solving strategies for various social situations typical to high school.

RELATED SWEP III/IV (BRIDGE)
BUS 3316, 3326
Required: Grades 11, 12    One Credit
Prerequisite: Students must be registered as a client of the Department of Rehabilitation Services-DRS
Grade Weight: Academic Core
This two-year program develops successful employment skills. DRS funds student training and transportation. DRS services are also available to the student after graduation.

STEP IN/STEP OUT (BRIDGE)
BUS 3416, 3426
Required: Grades 11, 12    One Credit
Prerequisite: Must be concurrently enrolled in Related SWEP
Grade Weight: Academic Core
As an additional part of the Related SWEP Course, students will complete a work experience which may include in-school or community job sites. Students are graded and evaluated on their progress as a future employee.

ADULT LIVING (BRIDGE)
BUS 1616, 1626
Required: Grades 11, 12    One Credit
Prerequisite: IEP Determination
Grade Weight: Academic Core
This course is designed to enrich the students' chances of functioning independently in the near future. Concepts taught include banking, planning a budget, apartment hunting, comparison shopping, choosing clothing, using credit, career goals, and using leisure time appropriately.

HOME ECONOMICS (BRIDGE)
FCS 1516, 1526
Required: Grades 9,10    Two Credits
Prerequisite: IEP Determination
Grade Weight: Academic Core
Students in this course receive highly individualized instruction to learn practical living skills. The course is divided into two periods moving from classroom instruction to working hands-on in the cooking environment. First semester specializes in developing cooking and baking skills. Second semester emphasizes household cleaning, sewing, and personal hygiene. Speech/language and social work IEP goals are also addressed in this course.

U.S. HISTORY AND GOVERNMENT (BRIDGE)
SOC 3116, 3126
Required: Grades 11,12    One Credit
Prerequisite: IEP Determination
Grade Weight: Academic Core
Students learn origins of American democracy and meanings of the Constitution. Students also learn map skills and relate those skills with emphasis on the fifty states. The course provides content that focuses on government institutions, the discussion of current and controversial issues, service learning, and simulations of the democratic process.

MATH (BRIDGE)
MAT 1116, 1126
Required: Grades 9, 10, 11, 12    One Credit
Prerequisite: IEP Determination
Grade Weight: Academic Core
Vocational Math teaches life skills that enhance the students' chances for independent living. Concepts include money recognition, making change, shopping concepts, salary breakdown, credit purchasing, budgeting, bank accounts, buying insurance, and planning a trip.

SCIENCE (BRIDGE)
SCI 1116, 1126, 1136
Required: Grades 9, 10    One Credit
Prerequisite: IEP Determination
Grade Weight: Academic Core
Students in this course will be introduced to the three branches of science: earth, physical, and life. Students will gain awareness of how plant and animal life depend on one another to survive.

WORLD READINESS SKILLS (BRIDGE)
BUS 1116, 1126, 1146, 1156, 1136
Required: Grades 9, 10    Two Credits
Prerequisite: IEP Determination
Grade Weight: Academic Core
Students participate in activities that prepare them for
pre-vocational training and real life experiences. Classroom instruction supplements trips to various community sites including an apartment where students learn proper hygiene habits and household chores. Speech/language and social work IEP goals are also addressed in this course.

**ENGLISH (BRIDGE)**

ENG 1116, 1126  
Required: Grades 9, 10, 11, 12  
Prerequisite: IEP Determination  
Grade Weight: Academic Core  

Students develop English skills required in the everyday world. Concepts include reading signs and labels, following directions, completing applications, using reference materials, understanding newspapers, and developing work-related behaviors. Students use technology, develop study skills, and practice novel reading.

**READING (BRIDGE)**

LIT 1116, 1126  
Required: Grades 9, 10, 11, 12  
Prerequisite: IEP Determination  
Grade Weight: Academic Core  

Students in this course receive highly individualized instruction to effectively decode, comprehend, practice vocabulary, and understand complex sentence structures. This program provides a unique blend of teacher-directed instruction and high-frequency practice to accelerate reading skills.

**HEALTH (BRIDGE)**

PEH 1016, 1026  
Required: Grades 11, 12  
Prerequisite: IEP Determination  
Grade Weight: Academic Core  

This course stresses the importance of living a healthy physical and emotional life. Students learn proper emotional responses and skills to resolve personal problems. This course also focuses on the following concepts: proper diet, sex education, first aid techniques, and the effects of drugs on the body.

**APPLIED MATH**

MAT 1015, 1025  
Required: Grades 9, 10, 11, 12  
Prerequisite: IEP Determination  
Grade Weight: Uncredited  

Students receive individualized instruction on foundation math concepts. Students learn about money, budgeting, time, understanding schedules, shopping in the community, basic computation with and without a calculator, measuring, and graph reading.

**APPLIED SCIENCE/HEALTH**

SCI 1015, 1025  
Required: Grades 9, 10, 11, 12  
Prerequisite: IEP Determination  
Grade Weight: Uncredited  

This course introduces students to the study of weather, astronomy, geology, ecology, and animal and plant biology. Concepts learned will be connected to students’ daily lives. This course also focuses on the basics of healthy living. Topics include but are not limited to eating well, the importance of exercise, emotional health, how to handle stress, basic first aid, and sex education. Students will be learning the foundational skills focusing on how you can serve as a productive citizen and employed member of your community.

**APPLIED ENGLISH**

ENG 1015, 1025  
Required: Grades 9, 10, 11, 12  
Prerequisite: IEP Determination  
Grade Weight: Uncredited  

Students receive individualized reading and literacy instruction. Students will continue to build on their letter and sight word decoding skills as well as spelling, grammar, and punctuation as appropriate. Students read novels, short stories, and articles. Students also work on basic writing skills (personal information, sentences, paragraphs, and journaling).

**INDEPENDENT LIVING SKILLS**

BUS 1015, 1025  
BUS 2015, 2025  
Required: Grades 9, 10, 11, 12  
Prerequisite: IEP Determination  
Grade Weight: Uncredited Semester Course  

The curriculum of this course is individualized based on each student’s independent living needs. Topics may include but are not limited to grooming, identification and use of personal information, developing and following a personal schedule, orientation around commonly traveled sites, public transportation, selection and purchase of own clothing, budgeting basics, and the development and execution of appropriate recreation activities.

**ADAPTED PHYSICAL EDUCATION**

PEH 141, 142  
PEH 151, 152  
Required: Grades 9, 10, 11, 12  
Prerequisite: IEP Determination  
Grade Weight: Uncredited  

Students participate in athletic and fitness activities at an adapted intensity. Units include but are not limited to basketball, soccer, softball, running, swimming, weight lifting, and stretching/yoga. Skills are broken down individually to maximize student participation.

**VOCATIONAL TRAINING PROGRAM**

BUS 3015, 3025  
Required: Grades 11, 12  
Prerequisite: IEP Determination  
Grade Weight: Uncredited  

Students receive classroom-based vocational training in this course. Students learn the basics about types of vocations they might be interested in, how to apply for a job, how to interview for a job, and how to handle concerns on the job. Students work on effective communication on the job as well.
RELATED VOCATIONAL EXPERIENCE PROGRAM
BUS 3115, 3125
Required: Grades 11, 12
Prerequisite: IEP Determination
Grade Weight: Uncredited
In conjunction with the in-class portion, students volunteer within the school building with appropriate supervision to gain valuable on-the-job experience.

LIFE ARTS
FCS 1015, 1025
Required: Grades 9, 10
Prerequisite: IEP Determination
Grade Weight: Uncredited
This course focuses on basic culinary skills, kitchen safety, menu planning, and shopping for items to be used in a meal or snack. This course also includes community-based instruction that will allow students the opportunity to apply their independent living skills in a realistic setting. Students will access a variety of stores, restaurants, and other community resources to generalize the skills they are learning in the classroom.

LIFE TRANSITION PROGRAM
LIFE 03 LIFE Transition West Leyden
LIFE 04 LIFE Transition Center
Elective
Prerequisite: IEP Determination
Grade Weight: Uncredited
This program provides opportunities for 18-22 year old students to develop personal independence through community-based skill development in vocational, social and recreational, community, personal living, and domestic activities. Instruction is provided in real-life settings and promotes inclusion with peers, employers, and family and community members. Students are exposed to a variety of experiences to develop personal choice and contributions to their program. Students and family members work with staff to create a plan to facilitate transition to post-school life. Students will be placed at either our on-campus or off-campus site as determined by their IEP.
Leyden High School District 212 is an equal opportunity institution, committed to compliance with all applicable state and federal laws prohibiting discrimination. This includes prohibiting discrimination on the basis of race, color, religion, sex, national origin, ancestry, order of protection status, sexual orientation, physical or mental disability, homelessness and marital/parental status, including pregnancy.

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