

LEYDEN HIGH SCHOOL DISTRICT 212



**COURSE PLANNING HANDBOOK
2023 - 2024**

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TABLE OF CONTENTS

District Assessment Framework	4
Dual Enrollment	4
Dual Enrollment Cohorts.....	5
Dual Degree Program	5
Dual Credit	6
Course Reference Guide	7
Graduation Requirements	9
Excellence Award.....	9
Advanced Placement & Capstone Classes.....	10
Honors & Advanced Placement	11
Placement Changes	11
Co-Lab for Freshmen.....	11
NCAA Eligibility Requirements	12
Registration	13
Schedule Changes	13
Early Graduation.....	13
Grade Weighting	13
Honor Roll	13
Course Load	14
Classification of Students.....	14
Repeating Failed Courses Required for Graduation	14
Driver Education Requirements.....	14
IHSA No Pass/No Play	14
College Entrance Recommendations	14
Advanced Placement Information.....	15
Auditing Courses & Audit Grades	15
CLEP Exam Descriptions	15
Illinois Diploma Information	15
Extension, Online, or Correspondence Study	15
Freshman Academy.....	15
System of Supports	16
Independent Study Agreements	16
Literacy Requirement.....	16
Summer School.....	16
Student Aide Program	16
Special Education Services	16
Transfer Student Information.....	16
Art	17
Business	22
ELL/Sheltered/Bilingual	28
English	34
Family & Consumer Sciences	40
Industrial Technology	48
Literacy	53
Mathematics	54
Modern Languages.....	59
Music.....	64
Physical Education.....	68
Science	72
Social Studies.....	78
Additional Services.....	83

DISTRICT ASSESSMENT FRAMEWORK

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 NWEA 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.

	8th Grade	9th Grade	10th Grade	11th Grade
Fall	NWEA MAP PSAT 8	NWEA MAP as needed PSAT 9	NWEA MAP as needed PSAT 10/NMSQT	Accuplacer NMSQT (Optional) SAT
Winter		NWEA MAP as needed	NWEA MAP as needed	
Spring		NWEA MAP as needed PSAT 9	NWEA MAP as needed PSAT 10/NMSQT	SAT

DUAL ENROLLMENT

What is Dual Enrollment?

A college course taken by a high school student off campus at Triton College.

How are Dual Enrollment courses offered?

Courses are taught on Triton's campus by a Triton faculty member and are recognized by Triton College and Leyden High Schools.

How do I sign up?

1. Discuss the option with your parents and counselor.
2. Sign up for the Dual Enrollment Course. (TDE 101, 102)
3. Attend the Dual Enrollment information meeting.
4. Fill out a Triton Student Application.
5. Take the placement exam, if necessary.
 - a. Students who earn a C or better have 100% of tuition reimbursed.

DUAL ENROLLMENT

TDE 101, 102

Elective: Grades, 9, 10, 11, 12
One-Half Credit

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 may be 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 100% tuition reimbursement. Contact the Director of Careers (fholthouse@leyden212.or) for additional information.

DUAL ENROLLMENT COHORTS

DUAL ENROLLMENT COHORTS

TDE 120

Elective: Grades, 11, 12
One-Half Credit

Courses build toward a certificate at Triton College! One semester commitment and repeatable.
Classes run 8:30 am to 10:30 am (Periods 1 - 4), five days per week for Juniors and Seniors.

- **Computer Information Systems** (CIS 105, 106) - Students can earn the CompTIA + credential in the CIS 105 and 106 Courses. The courses cover computer hardware and operating systems, and skills such as installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, diagnosing, and preventive maintenance, with additional elements of soft skills and security.
- **Criminal Justice** (CJA 111, 172) - Criminal Justice Administration provides career opportunities in several areas including law enforcement, probation, parole, and corrections. In the CJA 111 and 172 courses, students will cover the history, development, and function of law enforcement, the court system, and correctional practices in the United States, including the interrelationships between various components and processes of the criminal justice system.
- **Horticulture** (HRT 127, 128) - Students can earn their Illinois Pesticide License in the HRT 127 and 128 Courses. The courses cover principles of plant diseases, life cycles, host plants, symptoms, diagnosis, and their control, along with the impact of diseases on the environment. Selection of control practices, such as resistant plants, cultural prevention measures, and use of pesticides.
- **Welding** (ENT 106, 110) - Learn the theories and perfect the techniques you need to rise to the top of the welding field. Working in industry-driven labs with the latest technology, you'll be real-world ready. The ENT 106 and 110 courses cover fundamentals of oxyacetylene welding theory and practices and beginning electric welding, focused on Metal Inert Gas (MIG) processes, brazing, and cutting as well as reading and interpreting blueprints and working drawings used in trades

ALL of the tuition and fees are paid by the district upon successful completion of the cohort (A, B, C).



DUAL DEGREE PROGRAM

DUAL DEGREE PROGRAM

TDE 200, Rising Sophomores, Application Process

- Students take classes to fulfill high school graduation requirements and an Associate's degree by the end of their senior year.
- Students take a class at Triton College with a Triton teacher 5 days per week 8:00-3:00.
- Ideal students have a 2.5 GPA, 95% attendance, and a Teacher Recommendation
- Grades are shared with Leyden High School to ensure the successful completion of the course objectives.
- ALL of the tuition and fees are paid by the district upon successful completion of the program.



DUAL CREDIT

What is Dual Credit?

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

How are Dual Credit courses offered?

Courses are taught on Leyden's campus by a Leyden faculty member and are recognized by Triton College as a college level course.

How do I sign up?

1. Discuss the option with your parent / guardian and counselor.
2. Sign up for any of the classes listed below during course registration.
3. Fill out a Triton dual credit student application prior to the start of the course.

<i>Leyden Course</i>	<i>Triton Course</i>
ART 140 Graphic Design II	VIC 142 Introduction to Illustrator
ART 250 Photo II	VIC 161 Introduction to Photoshop
BUS 233 College Accounting Honors	ACC 101 Financial Accounting
BUS 383 Business Incubator	BUS 136 Entrepreneurship
FCS 140 Culinary Basics	HIA 101 Knife Skills
FCS 260 Cuisine Chef	HIA 150 Food Preparation Essentials & Theory Outcomes
FCS 343 Catering I	HIA 100 Culinary Mathematics HIA 115 Food Sanitation and Safety
FCS 333 Taste of Travel	HIA 110 Introduction to Hospitality Industry HIA 123 Introduction to Travel and Tourism
FCS 170 Human Development	ECE 146 Child, Family, and Community
FCS 313 Preschool	ECE 153 Guiding Children and Managing the Classroom
FCS 323 Education Academy	EDU 110 Diversity of Schools and Society
FCS 423 Education Academy II	EDU 207 Into to Education ECE 111 Introduction to Early Childhood Education
IND 183 Metals II	ENT 117 CNC 1
IND 323 Autos II	AUT 112 Introduction to Automotive Technology
IND 293 Construction	COT 106 Rough Carpentry
IND 123 PLTW IED Honors	ENT 110 Production Drawing
IND 383 PLTW POE Honors	ENT 100 Intro to Manufacturing
PEH 263 Junior/Senior Athletic P.E.	PED 106 Total Fitness

COURSE REFERENCE GUIDE

Course	Grade	Credit	Page
ART			
Art Survey	9, 10, 11, 12	.5	18
Drawing I	9, 10, 11, 12	.5	18
Drawing II	9, 10, 11, 12	.5	18
Painting I	9, 10, 11, 12	.5	18
Painting II	10, 11, 12	.5	18
Advanced Art☼	11, 12	1	18
AP Art & Design☼	11, 12	1	18
Ceramics I	9, 10, 11, 12	.5	18
Ceramics II	10, 11, 12	.5	19
Ceramics III	10, 11, 12	.5	19
Ceramics IV	11, 12	.5	19
Photography I	9, 10, 11, 12	.5	19
Photography II☼	10, 11, 12	.5	19
Photography & Digital Video	10, 11, 12	.5	19
Graphic Design I	9, 10, 11, 12	.5	19
Graphic Design II☼	10, 11, 12	.5	19
Animation & Motion Graphics	10, 11, 12	.5	20
Art Production☼	10, 11, 12	.5	20
BUSINESS			
Digital Literacy	9, 10	.5	23
Sports & Entertainment Mktg.	9, 10, 11, 12	.5	23
Intro to Bus & Entrepreneurship	9, 10, 11, 12	.5	23
Introduction to Accounting	10, 11, 12	1	23
Video Game Design I	10, 11, 12	.5	24
Video Game Design II	10, 11, 12	.5	24
Coding & Computer Hardware	10, 11, 12	.5	24
Cybersecurity/Networking	10, 11, 12	.5	24
Tech Support Internship☼	10, 11, 12	1	24
College Accounting Honors☼	11, 12	1	24
Consumer Education *	11, 12	.5	25
AP Computer Science Principles☼	10, 11, 12	1	25
Business Incubator	11, 12	1	25
Cooperative Work Program	12	1	25
Related Cooperative Work Program	12	1	25
Business Education Independent Study	11, 12	1	26
ELL/SHELTERED/BILINGUAL			
English For Language Learners	9, 10, 11, 12	1	28
Sheltered Education	9, 10, 11, 12	1	29
Bilingual Education	9, 10, 11, 12	1	31
ENGLISH			
English I	9	1	35
English I Honors	9	1	35
English II	10	1	35
English II Honors	10	1	35
AP English II Seminar☼	10	1	35
English II Honors Journalism	10	1	36
English III	11	1	36
English III American Studies	11	1	36
English III Honors	11	1	36
AP English III Language & Composition☼	11	1	36
English IV Journalism	12	1	37
English IV Yearbook	12	1	37
English IV Integrated Reading & Writing	12	1	37

Course	Grade	Credit	Page
English IV Creative & Technical Writing	12	1	37
English IV Humanities	12	1	37
English IV Media Studies	12	1	37
AP English IV Literature & Composition☼	12	1	37
AP English IV Research☼	12	1	38
Beginning Drama	9, 10, 11, 12	.5	38
Advanced Acting	9, 10, 11, 12	.5	38
FAMILY & CONSUMER SCIENCES			
Culinary Basics	9, 10, 11, 12	.5	42
Pastry Chef	9, 10, 11, 12	.5	42
Cake Decorating	10, 11, 12	.5	42
Cuisine Chef	9, 10, 11, 12	.5	42
Catering I☼	11, 12	1	42
Gold & Bold Cafe	10, 11, 12	.5	43
Catering II	12	1	43
Fashion & Design I	9, 10, 11, 12	.5	43
Fashion & Design II	10, 11, 12	.5	43
Fashion & Design III☼	10, 11, 12	.5	43
Fashion Basics: Dual Credit	11, 12	.5	43
Child Development	9, 10, 11, 12	.5	44
Human Development	9, 10, 11, 12	.5	44
Exploring Education	10, 11, 12	1	44
Preschool	10, 11, 12	1	44
Education Academy I☼	11, 12	1	44
Education Academy II	12	1	45
Taste of Travel	11, 12	2	45
Medical Careers	11, 12	1	45
Medical Careers Independent Study	11, 12	.5	45
Cooperative Work Program	12	1	45
Related Cooperative Work Program	12	1	46
Elmhurst Educator Prep Dual Enrollment	11, 12	.5	46
INDUSTRIAL TECHNOLOGY			
Exploring Technology	9, 10, 11, 12	.5	49
Autos I	10, 11, 12	1	49
Autos II☼	10, 11, 12	1	49
Automotive Service ☼	11, 12	.5 or 1	49
Intro to Engineering Design (PLTW) ☼	9, 10, 11, 12	1	49
Principles of Engineering (PLTW)☼	10, 11, 12	1	50
Digital Electronics (PLTW) ☼	10, 11, 12	1	50
Woods	9, 10, 11, 12	.5	50
Home Repair	10, 11, 12	.5	50
Construction	10, 11, 12	1	50
Metals I	9, 10, 11, 12	1	50
Metals II☼	10, 11, 12	1	50
Cooperative Work Program	12	1	50
Related Cooperative Work Program	12	1	51
Independent Study Woods II	10, 11, 12	.5	51
Independent Study Metals III	11, 12	1	51
Independent Study Construction II	11, 12	1	51
Independent Study Engineering Design and Development	11, 12	1	51
Independent Study	11, 12	1	51
LITERACY			
Literacy	9, 10	1	52

☼ Indicates Capstone or Advanced Placement Course
 * Course Meets Consumer Education Requirement

COURSE REFERENCE GUIDE

Course	Grade	Credit	Page
MATHEMATICS			
Pre-Algebra	9, 10, 11, 12	1	55
Algebra I Block	9	2	55
Algebra I	9	1	55
Advanced Algebra Honors	9	1	55
Applied Geometry	10, 11, 12	1	55
Geometry	10, 11, 12	1	55
Geometry Honors	10	1	55
Intermediate Algebra II	11, 12	1	56
Algebra II	11, 12	1	56
Advanced Algebra II w/ Precalculus Honors A	11	1	56
Precalculus Honors	11	1	56
Precalculus Honors B w/Calculus A	11	1	56
Statistics & Applied Math	12	1	56
Precalculus	11, 12	1	57
AP Statistics☼	11, 12	1	57
AP Calculus AB☼	12	1	57
AP Calculus BC☼	12	1	57
AP Computer Science A☼	11, 12	1	57
Transition to College Algebra	11, 12	1	57
MODERN LANGUAGES			
French I	9, 10, 11, 12	1	60
French II	10, 11, 12	1	60
French III	11, 12	1	60
French IV Honors☼	12	1	60
AP French Language & Culture☼	12	1	60
Italian I	9, 10, 11, 12	1	60
Italian II	9, 10, 11, 12	1	60
Italian III	9, 10, 11, 12	1	60
Italian IV Honors☼	11, 12	1	61
AP Italian Language & Culture☼	12	1	61
Spanish I	9, 10, 11, 12	1	61
Spanish I-Heritage	9, 10, 11, 12	1	61
Spanish II	9, 10, 11, 12	1	61
Spanish II-Heritage	9, 10, 11, 12	1	61
Spanish III	9, 10, 11, 12	1	61
Spanish IV Honors☼	9, 10, 11, 12	1	62
AP Spanish Language & Culture☼	10, 11, 12	1	62
AP Spanish Literature & Culture☼	12	1	62
Spanish & Latin American Film	11, 12	.5	62
Latin American Popular Culture	11, 12	.5	62
MUSIC			
Concert Choir	9, 10, 11, 12	.5	65
Bel Canto Chorale	9, 10, 11, 12	.5	65
A Cappella Choir Honors	10, 11, 12	.5	65
Varsity Choir Honors	10, 11, 12	.5	65
Concert Band	9, 10, 11, 12	.5	65
Symphonic Band Honors	9, 10, 11, 12	.5	65
String Orchestra Honors	9, 10, 11, 12	.5	66
Digital Music Production	10, 11, 12	.5	66

☼Fourth Year Choir/Band courses qualify as Capstone.

Course	Grade	Credit	Page
PHYSICAL EDUCATION			
Freshman Health	9	.5	69
Freshman PE	9	.5	69
Sophomore PE	10	.5	69
Sophomore Athletic PE	10	.5	69
Driver Education & Safety	10, 11, 12	.5	69
Junior/Senior PE	11, 12	.5	70
Adventure Education	11, 12	.5	70
Junior/Senior Athletic PE☼	11, 12	1	70
Physical Management	11, 12	1	70
Independent Study	11, 12	.5	70
SCIENCE			
Physical Science	9	1	73
Biology	9, 10	1	73
Bilingual Biology	9, 10	1	73
Biology Honors	9, 10	1	73
Chemistry	10, 11, 12	1	73
Bilingual Chemistry		1	74
Chemistry Honors	10, 11	1	74
Physics	11, 12	1	74
Physics Honors	11, 12	1	74
Anatomy & Physiology	11, 12	1	74
AP Biology☼	11, 12	1	74
AP Chemistry☼	12	2	75
AP Physics I☼	11, 12	1	75
AP Physics II☼	12	1	75
Environmental Science	12	1	75
Medical Careers	11, 12	1	75
Medical Careers Independent Study	11, 12	.5	75
Earth Science	11, 12	.5	76
Chemistry of Foods	11, 12	.5	76
SOCIAL STUDIES			
Global Studies	9	1	79
Bilingual Global Studies	9	1	79
Global Studies Honors	9	1	79
Civics	10, 11, 12	.5	79
Law	10, 11, 12	.5	79
Psychology	10, 11, 12	.5	79
Economics Honors*	10, 11, 12	.5	80
Sociology Honors	10, 11, 12	.5	80
AP U.S. Government & Politics☼	10, 11, 12	1	80
AP European History☼	10, 11, 12	1	80
AP Psychology☼	10, 11, 12	1	80
United States History	11	1	80
U. S. History American Studies	11	1	81
United States History Honors	11	1	81
AP United States History☼	11	1	81
Latin American Studies	10, 11, 12	.5	81
Social Studies Seminar	12	.5	81
ADDITIONAL SERVICES			82

☼ 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:

- English4 credits
- Mathematics3 credits
- Literacy.....2 credits or demonstrated proficiency (Transfer students are exempt from the requirement for semesters not enrolled at Leyden High Schools.)
- Science2 credits (including 1 credit of a 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 exempt 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 Arts1 credit (Courses taken in the Art, Business Education, Drama, Family & Consumer Sciences, Industrial Technology, Music, or Modern Languages departments satisfy this requirement.)
- Digital Literacy1/2 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.)
- 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 seven different categories that define excellence at Leyden. We believe that if a student achieves all seven 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 seven 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 25 hours during their high school career
- Earn 25 credits
- Maintain a 2.8 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. Oftentimes capstone courses 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 Art & Design
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 AB
AP Calculus BC
AP Computer Science A

Modern Languages

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

HONORS AND ADVANCED PLACEMENT (CORE SUBJECTS)

FOUR YEAR PLAN				
GRADE	MATH	SCIENCE	ENGLISH	SOCIAL STUDIES
9	Advanced Algebra Honors	Biology Honors	English I Honors	Global Studies Honors
10	Geometry Honors	Chemistry Honors	English II Honors AP English II Seminar	Economics Honors Sociology Honors AP European History AP U.S. Govt. & Politics AP Psychology
11	Algebra II Honors PreCalc Honors AP Statistics	Physics Honors AP Biology AP Physics I	English III Honors AP English III	Economics Honors Sociology Honors U.S. History Honors AP European History AP U.S. Govt. & Politics AP Psychology AP U.S. History
12	AP Calculus AB AP Computer Science A AP Statistics	AP Biology AP Chemistry AP Physics I AP Physics II	English IV Honors Journalism AP English IV AP Research	Economics Honors Sociology Honors AP European History AP Psychology AP U.S. Govt. & Politics

PLACEMENT CHANGES

Leyden's enrollment practices encourage students to select courses most appropriate for their academic success. Teacher recommendations, student assessment data, parent/guardian input, and counselor conferences are all important components of this selection process.

Level changes occur at the start of a semester. Any other level changes will occur only when the student has demonstrated outstanding achievement as determined by the teacher and department chair.

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.

*Changes will only occur subject to seat availability and in coordination with the student's school team members (i.e. teacher, counselor, Department Chairperson, the Assistant Principal for Teaching and Learning, etc.).

LEYDEN CO.LAB EXPERIENCE FOR FRESHMEN

This program for incoming freshmen is inclusive and open to all students who would have been 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)

English	ENG 1114, 1124
Social Studies (Global Studies)	SOC 1414, 1424
Science (Biology)	SCI 2514, 2524
P.E./Health	PEH 1014, 1124
Digital Literacy (integrated)	BUS 1704

NCAA ELIGIBILITY REQUIREMENTS

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.

ENGLISH

English I, II, III
English Honors I, II, III
English III American Studies
English IV Journalism
English IV Yearbook
English IV Humanities
English IV Media Studies
AP English II Seminar
AP English III
AP English IV
AP English IV: Research

INDUSTRIAL TECHNOLOGY

Principles of Engineering Honors (PLTW)
Digital Electronics Honors (PLTW)
Intro. to Engineering Design Honors (PLTW)

MATH

Algebra I & II
Geometry Honors
Precalculus
Precalculus Honors
AP Computer Science A
AP Statistics
AP Calculus A/B
AP Calculus B/C

MODERN LANGUAGES

French I, II, III, IV
Italian I, II, III, IV
Spanish I, II, III, IV

SCIENCE

Biology
Biology Honors
Chemistry
Chemistry Honors
Physics
Physics Honors
Earth Science
Anatomy & Physiology
AP Biology
AP Chemistry
AP Physics

SOCIAL STUDIES

Global Studies
Global Studies Honors
Civics
Law
Psychology
Economics Honors
Sociology Honors
United States History
United States History
American Studies
United States History Honors
AP European History
AP Psychology
AP U.S. Government & Politics
AP U.S. History
Latin American Studies

Special Education and ELL courses aligned to the above are also NCAA approved.

REGISTRATION

1. Registration materials and fees must be received by the home school by June 16, 2023 to receive the early bird discount of \$150.00. Regular registration fees of \$190.00 apply after June 16. Students must register and pay before their first day of school.
2. New Eagle Family Night: Wednesday, August 9, 2023.
3. New Eagle Experience Day (Freshmen and New Students): Monday, August 14, 2023.
4. Upper Class Book Pick Up (Sophomores, Juniors, and Seniors): Thursday, August 10 (8am-4pm) and Friday, August 11 (12pm-4pm)

* All 8th graders and all freshman transfer students must complete Leyden's placement testing prior to course selection.

SCHEDULE CHANGES

Course Selection will be completed by the end of February.

- a. The deadline for first semester schedule changes is June 30th. All changes requested prior to the June 30th deadline are subject to course availability.
- b. The deadline for second semester schedule changes is the last day of the first semester. All changes are subject to course availability.
- c. A student dropped from a class during the first 20 days of the semester will occur without a grade penalty (a "W" withdrawal will be awarded) with administrative approval. From the 21st day on, a "WF" (withdrawal failure) will be issued. Students will be assigned a study hall in lieu of the class.

EARLY GRADUATION

Students may apply for early graduation if they have met all requirements for graduation as established by the Board of Education upon recommendation of the administration, North Central Association, and the laws of Illinois. The selection of the early graduation option means students would not attend the full eight semesters but would attend a minimum of three years (six semesters) and for as many additional semesters as necessary to meet the requirements.

Applications for the early graduation option must be submitted by the student prior to the final semester of attendance. The application form is available from the counselor and must be completed in a conference including the student, parents, and counselor with final approval given by the Principal or Assistant Principal.

Generally speaking, all students are required to attend eight semesters of high school since it gives them an opportunity not only to acquire

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

Leyden High School District 212 does not 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:

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>F</u>
Advanced Placement	5.0	4.5	3.5	1.5	0
Honors	4.5	3.5	2.5	1.0	0
College Prep	4.0	3.0	2.0	1.0	0

WEIGHTED GRADE POINT AVERAGE

Weighted grade point average 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:

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>F</u>
Advanced Placement	5.0	4.5	3.5	1.5	0
Honors	4.5	3.5	2.5	1.0	0
College Prep	4.0	3.0	2.0	1.0	0

NON-WEIGHTED GRADE POINT AVERAGE

Non-weighted grade point average 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.

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:

High Honors	4.0 to 3.70
Honors	3.69 to 3.00

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 2023-2024 school year will be determined at the conclusion of semester one and the conclusion of the 2024 summer school session.

GRADE # CREDITS

FRESHMAN:	Less than 5.5 credits
SOPHOMORE:	5.5 credits or greater
JUNIOR:	11.00 credits or greater
SENIOR:	16.5 credits or greater and SAT

REPEATING FAILED COURSES REQUIRED FOR GRADUATION

Students who fail a course required for graduation may repeat it once during the regular school year. 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:

English.....	4 years
Mathematics	4 years
<i>(Including Algebra, Geometry, and Advanced Mathematics courses)</i>	
Science.....	3 years
<i>(Laboratory Science classes such as Biology, Physical Science, Chemistry, and Physics)</i>	
Social Studies	3 years
<i>(Emphasizing History and Government)</i>	
Modern Languages, Fine and Applied Arts, or Music.....	2 years
<i>(May include one year of Business, Family & Consumer Sciences, or Industrial Technology)</i>	

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.

Students who are absent on the test date will be charged a \$15.00 return test fee and a \$45.00 exam alternate test date fee. Students who are absent on the alternative test date will be charged a \$15.00 return test fee.

AUDITING COURSES AND AUDIT GRADES

2023-2024 Leyden Audit/ Credit Information

Students in grades 9 - 12 may enroll at Leyden High Schools at any time during the semester. A student with grades in progress who was currently enrolled at another institution receives credit based on their grades in progress.

Students who enroll late, without transferring from another institution, will be enrolled as follows:

Semester 1

Enrollment within the first 14-days of school: Credit
Enrollment after the 14th day of school through the end of Quarter 1: Audit for Credit Based on Final Grade

Based on Final Grade:

Credit is awarded if a grade of A, B, C or D is earned at the end of the semester for the course(s). A grade of F will be changed to Audit.

Enrollment any time during Quarter 2: Audit

Semester 2

Enrollment within the first 14-days of Semester 2: Credit

Enrollment after the 14th day of Semester 2 through the end of Quarter 3: Audit for Credit Based on Final Grade

Based on Final Grade:

Credit is awarded if a grade of A, B, C or D is earned at the end of the semester for the course(s). A grade of F will be changed to Audit.

Enrollment any time during Quarter 4: Audit

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.

State of Illinois High School Diploma INFORMATION (previously known as GED)

Students may receive a State of Illinois High School Diploma through Triton College. Courses preparing students for this test may be offered through the Triton Adult Education Program. Information about this program can be obtained through Triton's Adult Education Department. 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 externally accredited and approved by 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 Assistant Superintendent 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 Assistant Superintendent of Curriculum and Instruction.

FRESHMAN ACADEMY

Leyden requires a three-week academy experience for incoming freshmen who demonstrate needed support to improve reading and

math skills. This course is mandatory for identified students, based on 8th-grade placement scores. Students will receive intensive, small-group instruction in English and 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 elective 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. Students may also be placed into a targeted seminar in Math, Writing, or SEL. These core areas are driven by data through diagnostic testing with students and with input from their teachers.

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 comprehension and writing skills. Enrollment in this course is required for students whose 8th grade placement test scores indicate a need for reading and writing. Ninth grade students who have not demonstrated reading and writing proficiency at the 300 level 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

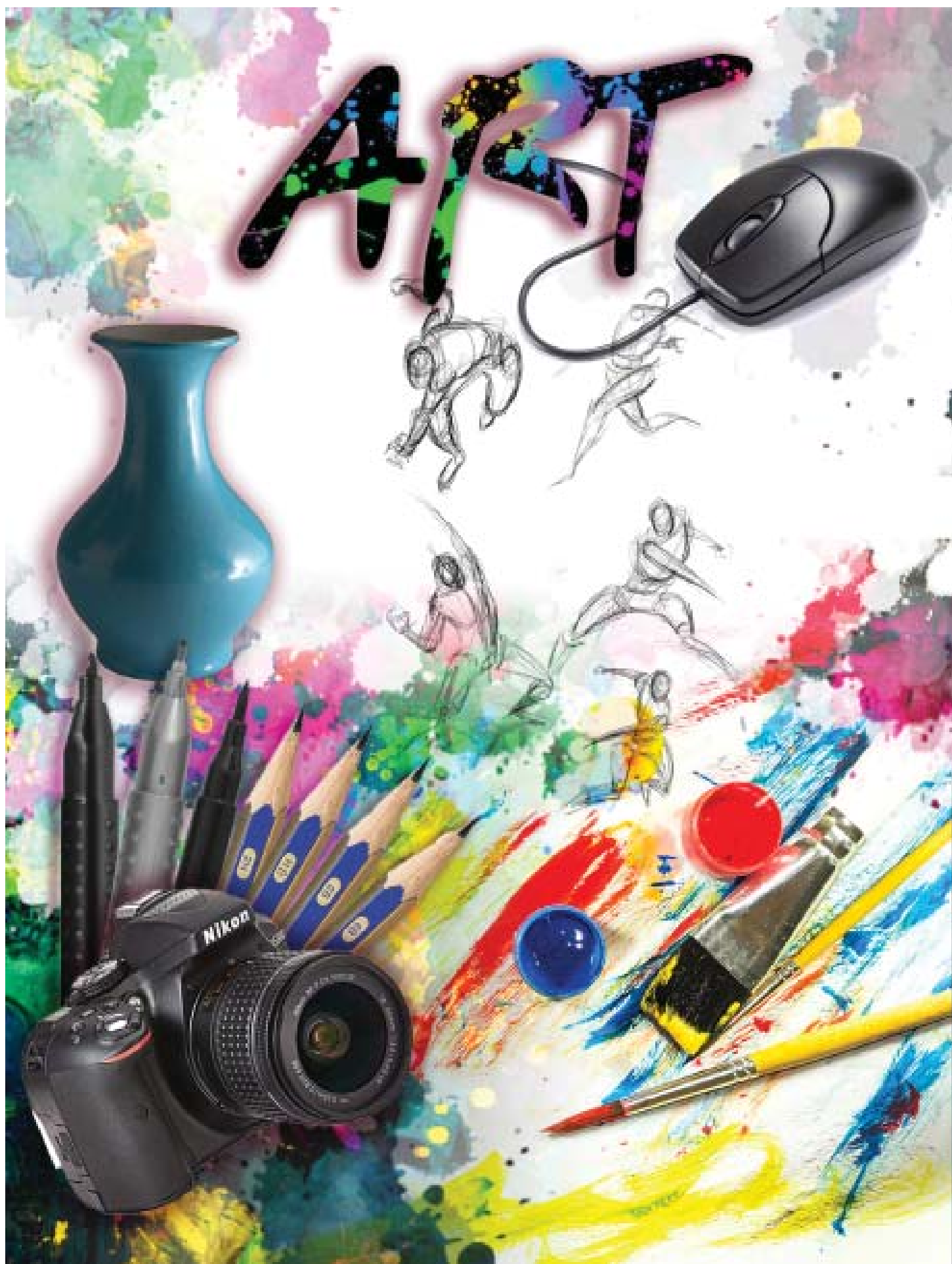
Joe DeGiulio, Department Chair - (847) 451-3171

Marianna Lorenz, 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 Assistant Superintendent 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.



Photography

Photo 1
9-12

Photo 2*
9-12

Video
9-12

*Dual Credit Course

Photo 3
10-12

AP Art & Design
11-12

Drawing & Painting

Draw 1
9-12

Painting 1
9-12

Draw 2
9-12

Paint 2
10-12

Advanced Art
10-12

AP Art & Design
11-12

Art
Survey
9-12

Graphic Design

Graphic Design 1
9-12

GD 2*
9-12

Animation
9-12

*Dual Credit Course

Art Production
9-12

AP Art & Design
11-12

Ceramics

Ceramics 1
9-12

Ceramics 2
9-12

Ceramics 3 & 4
11-12

AP Art & Design
11-12

ART

Ms. Anna Reed, Chairperson
(847) 451-6724 or
(847) 451-3119
areed@leyden212.org

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: None

Grade Weight: College Prep

Students transfer their drawing skills to create realistic paint-

ings. 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.

Drawing II highly recommended.

Grade Weight: College Prep

This year-long class will help students develop their own art portfolio. 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 ART & DESIGN ☀

ART 361, 362, 363

Elective

Grades: 11, 12 One Credit

Prerequisite: Three semester hours of art are suggested and instructor recommendation is needed.

If you are interested, talk to your art teacher.

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 / Honors

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

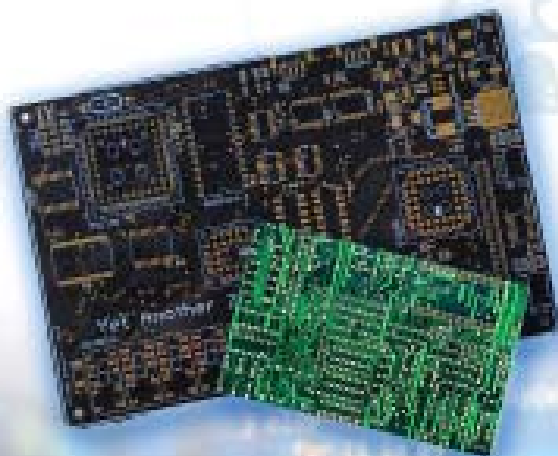
Elective: Grades 10, 11, 12 One-Half Credit

Prerequisite: Graphic Design II, Photography II,
Photography & Digital Video,
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.

BUSINESS



```

    if (r = t.call(e[i], 1, e[i]), r === !1) break;
    return e
  },
  trim: b && !b.call("\uffff\u00a0") ? function(e) {
    return null == e ? "" : b.call(e)
  } : function(e) {
    return null == e ? "" : (e + "").replace(C, "")
  },
  makeArray: function(e, t) {
    var n = t || [];
    return null != e && (N(Object(e)) ? n.merge(n, "string" == typeof e ? [e] : e) : b.call(n, e))
  },
  isArray: function(n, t, a) {
    var r;
    if (a) {
      if (!n) return a.call(t, n, a);
      for (r = 0, o = n.length; r < o; r++) if (N(n[r]) || r >= o) return !1;
      return !0
    }
    return N(n)
  }

```



Business Education

2023 – 2024

Careers in Business, Marketing, Finance, and Management

Digital Literacy

9-12

Entrepreneurship

9-12

Sports and Entertainment Marketing

9-12

Introduction to Business and
Accounting Systems

10-12

College Accounting Honors

11-12

Consumer Education

11-12

Business Incubator

11-12

Cooperative Work Program

(eligible for early release from school)

12

Careers in Computer Hardware Support and Software Design

Digital Literacy

9-12

Coding and Computer Repair

10-12

Video Game Design I

10-12

Video Game Design II

10-12

Cybersecurity/Networking

10-12

AP Computer Science Principles

10-12

Technical Support Internship

10-12



BUSINESS

Mr. Tony Pecucci
(847) 451-3632 or
(847) 451-3620
tpecucci@leyden212.org

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

BUS 170CT

Required

Grades: 9, 10 One-Half Credit

Prerequisite: None

Grade Weight: College Prep

This course is an introduction to working and learning in the digital world. There is focus on digital citizenship and developing the ability to use technology and digital information responsibly. The curriculum is organized using an online management system to teach students how to be efficient 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 topics related to copyright, develop digital and media literacy skills 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, the purchasing process, distribution systems, sponsorship, event marketing, sales promotions, proposals, execution of planning, and social media.

INTRODUCTION TO BUSINESS AND ENTREPRENEURSHIP

BUS 190

Elective

Grades: 9, 10, 11, 12 One-Half Credit

Prerequisite: None

Grade Weight: College Prep

Introduction to Business and 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 spreadsheets, presentation software, and other online tools. 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.

INTRODUCTION TO ACCOUNTING

BUS 261, 262, 263

Elective

Grades: 10, 11, 12 One Credit

Prerequisite: None

Grade Weight: College Prep

Introduction to Accounting 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 spreadsheets and their practical use 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 in game design.

CODING & COMPUTER HARDWARE

BUS 270

Elective

Grades: 10, 11, 12

One-Half Credit

Prerequisite: None

Grade Weight: College Prep

Students in Coding & Computer Hardware receive an introduction to coding and the fundamental concepts of computational thinking with an additional focus on computer hardware. The primary programming language will be Python, with the possibility of various programming languages such as HTML, and other object-oriented languages. These may include items such as input/output statements, event-driven code, constants, assignment statements, string and numeric variable types, and conditional processing. Students will learn programming techniques such as coding basic shapes, mathematical operations such as counting, averaging, and rounding, and basic webpage design. The coding unit will include programming a digital circuit card or Raspberry Pi to output various

patterns of sound and light. Through hands-on and lab experiences, students will examine computer hardware to understand the function of each basic computer component.

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. 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. College Accounting Honors is a college-level accounting course. This course is designed to help students develop a deeper knowledge of the principles of accounting and allows students to get a head start on their college career through an agreement with Triton College. Students will build a foundation of understanding related to one of the college courses that is required of all business majors. Upon successful completion, students will receive four hours of college credit that can be transferred to the college of their choice. 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.

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 consumerism, taxes, budgeting, banking, credit & identity theft, and insurance. 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, 6117, 6127, 6137

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. COOP assists students as they prepare for various careers. Classroom instruction focuses on providing students with career exploration skills related to the current job market and improving students' abilities to interact positively with others. The course content includes the following units: career planning, applying to jobs, working on the job, financials of the working world, digital citizenship, and essential skills of work. Students will complete training which will lead to an OSHA 10 hour certificate. *Students enrolled in 6117, 6127, 6137 are not required to be enrolled in Related Cooperative Work Program.

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 Erskine Reeves Barber Academy. There is an additional charge for this program. Contact the Director of Careers & Community Outreach (fholthouse@leyden212.org) for additional information.

Each 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.

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: BUS 180 Preferred

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.

Grade Weight: College Prep

ELL



ENGLISH FOR LANGUAGE LEARNERS SHELTERED EDUCATION BILINGUAL EDUCATION

Ms. Christina Schmidt, Chairperson
cshmidt@leyden212.org
(847) 451-3074

Leyden offers a program of support for Language Learners. 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. Courses are selected from the following:

Level I:

ELL I	ELL Algebra I
ELL Literacy	Transitional Algebra I
ELL Global Study	Bilingual Global Studies
Digital Literacy	ELL Physical Science
Bilingual Skill Development	Bilingual Chemistry
	Bilingual Biology

Level II:

ELL II	ELL Algebra I
ELL Literacy	ELL Transitional Algebra I
ELL Algebra II	
ELL Global Studies	ELL Geometry
ELL Civics	ELL Health
ELL U.S. History	ELL Digital Literacy
ELL Physical Science	ELL Consumer Education
Bilingual Chemistry	Bilingual Biology
	ELL Biology

Level III:

ELL III	Algebra I
ELL Literacy	ELL Transitional Algebra I
ELL Algebra II	
ELL Global Studies	ELL Geometry
ELL Civics	ELL Health
ELL U.S. History	ELL Digital Literacy
ELL Physical Science	ELL Consumer Education
ELL Chemistry	ELL Biology

Level IV:

ELL IV	ELL Algebra I
ELL Literacy	ELL Algebra II
ELL Geometry	
ELL U.S. History	ELL Health
ELL Civics	ELL Digital Literacy
ELL Bilingual Chemistry	ELL Consumer Education

ENGLISH FOR LANGUAGE LEARNERS

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.

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 from 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, 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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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).

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 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.

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, advertis-

ing, 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.

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

One 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 ELLI 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 221, 222, 223

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.

BILINGUAL BIOLOGY

BIL 211, 212, 213

Grade Weight: College Prep

One Credit

This biology course is designed to give students opportunities to develop life science concepts and terminology. Throughout the year, students will apply learning to everyday life and explore the ways biology helps define issues and solutions seen in our environment. Basic processes, techniques, and equipment as well as biological laboratory experiments will be emphasized. Students will apply scientific research to classroom projects that demonstrate their learning and growth.

BILINGUAL PHYSICAL SCIENCE

BIL 201, 202, 203

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.

BILINGUAL GLOBAL STUDIES

BIL 301, 302, 303

Grade Weight: College Prep One Credit

Bilingual Global Studies is a two semester course that is required for graduation. The purpose of the course is to develop reading, writing, listening and speaking skills while introducing the technical language, content and skills of social studies. The course will use student background knowledge and language skills to increase content knowledge. The ratio of language usage will change as the course progresses. 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.

BILINGUAL CIVICS

BIL 310

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.

BILINGUAL U. S. HISTORY

BIL 321, 322, 323

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 themati-

cally on our nation as it develops from WWII through our current government. Emphasis is placed on the skill of argument writing.

BILINGUAL TRANSITIONAL ALGEBRA I

BIL 101, 102, 103

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.

BILINGUAL ALGEBRA I

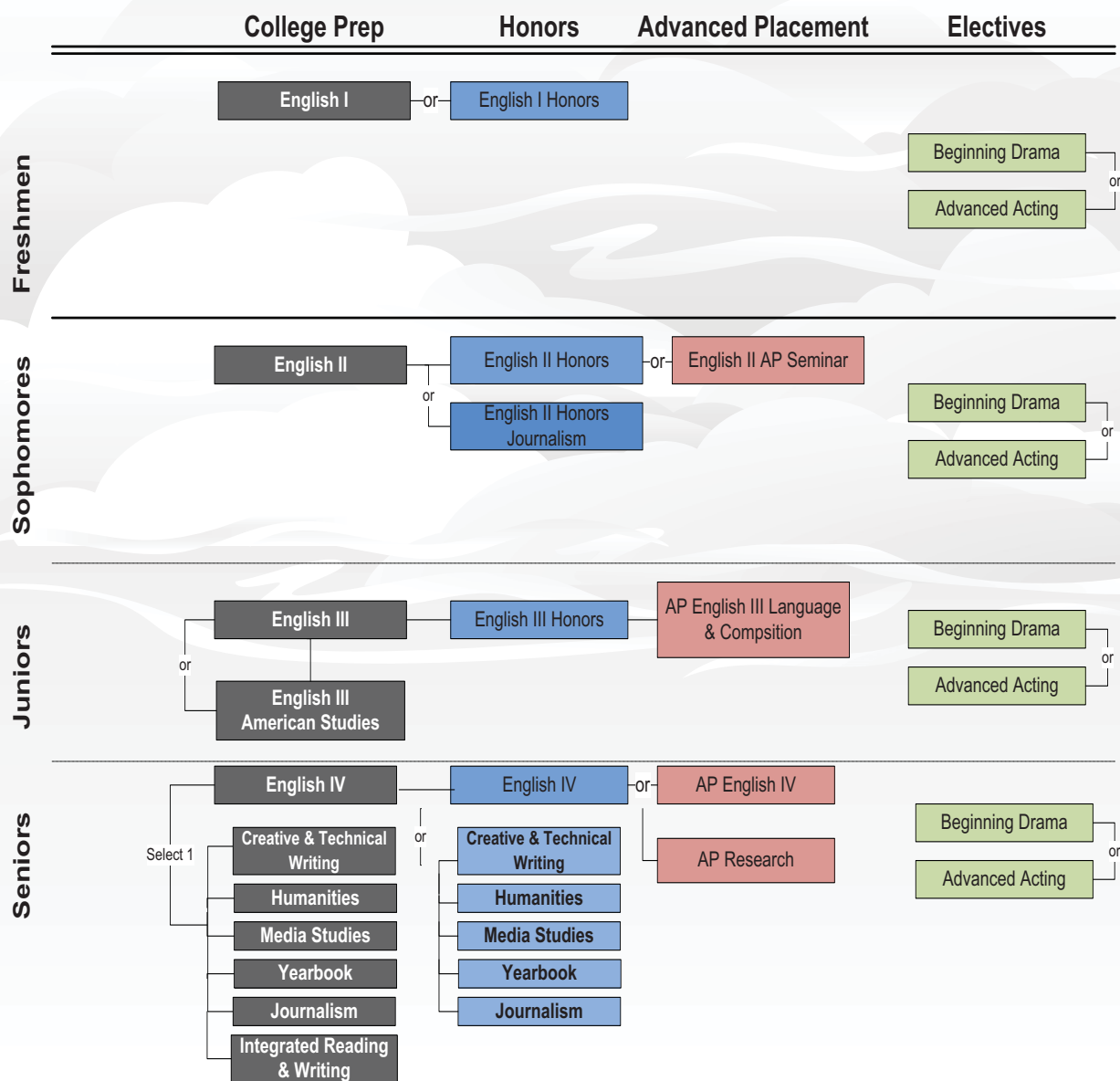
BIL 111,112,113

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.



English 2023-2024



ENGLISH

Mr. John Rossi, Chairperson
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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 111, 112, 113

ENG 111CT, 112CT, 113CT

Required

Grade: 9 One Credit

Prerequisite: None

Grade Weight: College Prep

ENG 1117, 1127, 1137

ENG 1119, 1129, 1139

Required

Grade: 9 One Credit

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 One Credit

Prerequisite: None

Grade Weight: Honors

English I Honors 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 211, 212, 213

ENG 211CT, 212CT, 213CT

Required

Grade: 10 One Credit

Prerequisite: Grade 9 English

Grade Weight: College Prep

ENG 2117, 2127, 2137

ENG 2119, 2129, 2139

Required

Grade: 10 One Credit

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 One Credit

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 One Credit

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 II HONORS JOURNALISM

ENG 241, 242, 243

Required

Grade: 10 One Credit

Prerequisite: Grade 9 English

Grade Weight: Honors

In this speaking and writing course, students survey a broad range of journalistic modes, learning the thinking and reporting required by each type as well as their typical compositional conventions. News writing, feature writing, editorials, sports writing, and photojournalism are studied so that students can contribute to student voice within the school, often submitting their work for publication in the school's media outlets. Students will encounter texts that will serve as models for inspiration--those that broaden and deepen their understanding of modern media concerns, and they will also read texts worthy of imitation--those that communicate complex ideas with both clarity and artistry.

ENGLISH III

ENG 311, 312, 313

ENG 311CT, 312CT, 313CT

Required

Grade: 11 One Credit

Prerequisite: Grade 9 & 10 English

Grade Weight: College Prep

ENG 3117, 3127, 3137

ENG 3119, 3129, 3139

Required

Grade: 11 One Credit

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 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.

ENGLISH III HONORS

ENG 321, 322, 323

Required: Grade 11 One Credit

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 One Credit

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 One Credit
Prerequisite: Grade 9, 10, & 11 English
Grade Weight: College Prep
ENG 4117, 4127
ENG 4119, 4129

Required: Grade 12 One Credit
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' course will study the material required to qualify for Transitional College English under state of Illinois policy. Students who achieve a C or better will be guaranteed to place into college-level, rather than developmental, coursework at junior colleges, such as at Triton College. 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 One Credit
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. Stu-

dents 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 One Credit

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 One-Half Credit

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

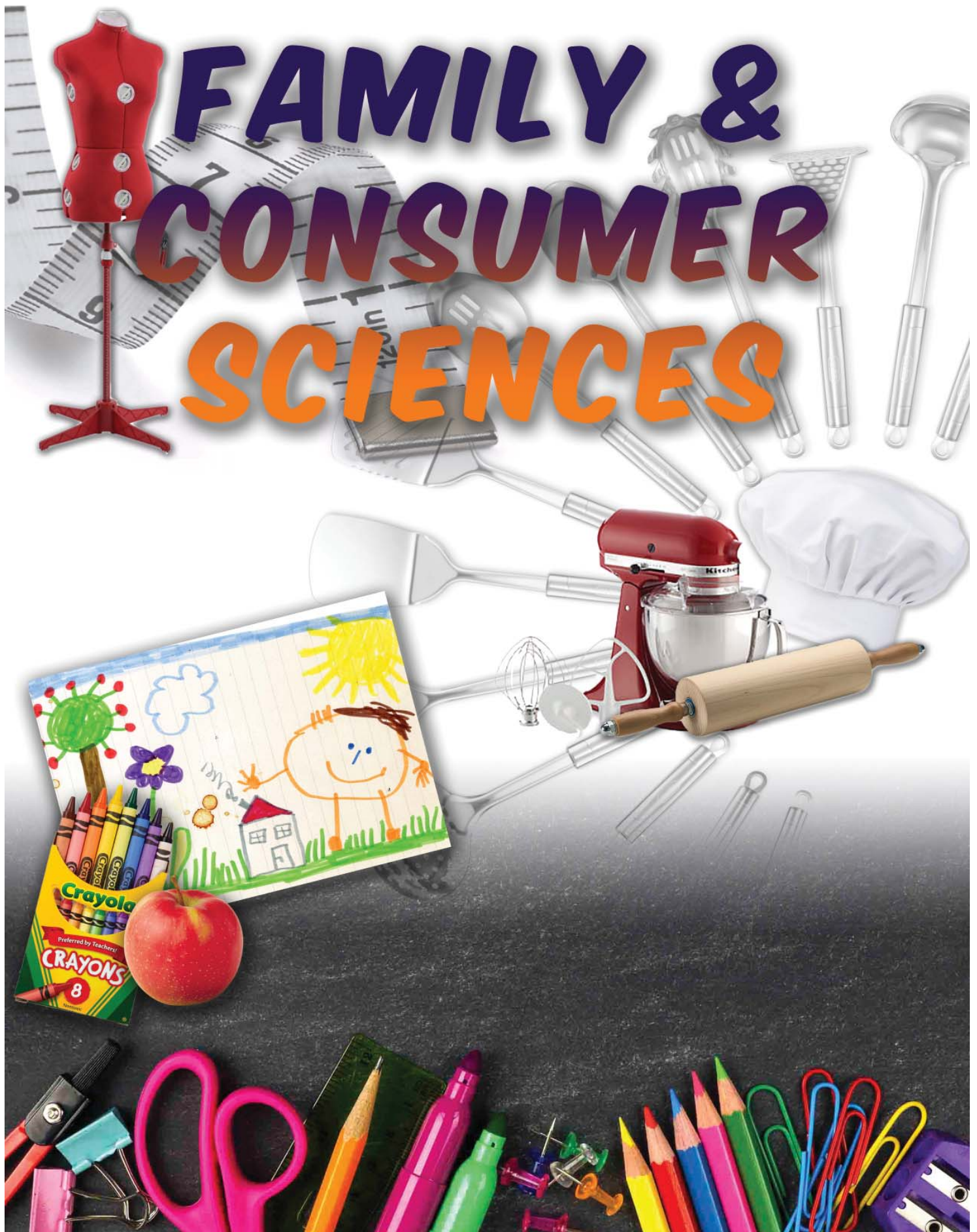
ENG 170

Elective: Grades 9, 10, 11, 12 One-Half Credit

Prerequisite: Beginning Drama

Grade Weight: College Prep

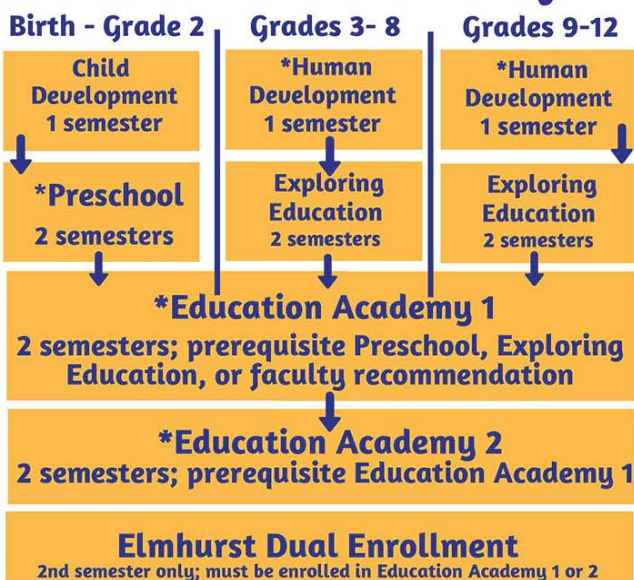
Students study theatre history and use dramatic literature from different historical periods to demonstrate their understanding of acting styles and directing techniques. Aspects of play production are emphasized as well as critical evaluation of the dramatic play form. Field trips to view professional productions are scheduled to correspond with class work. *Note: This course receives elective credit, not English credit.*



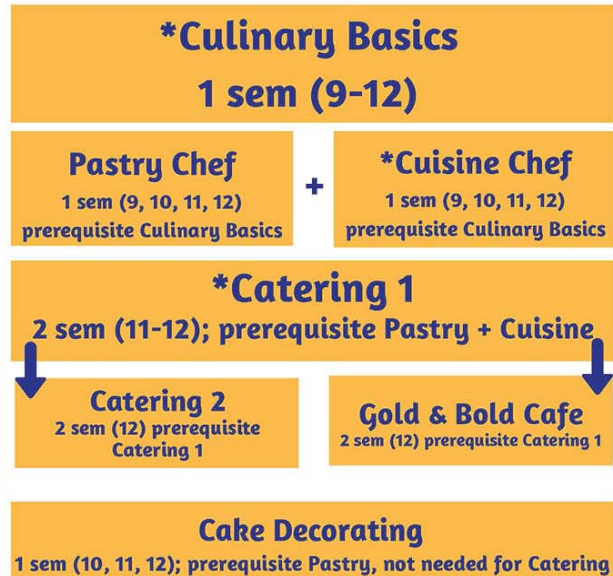
FAMILY & CONSUMER SCIENCES

***denotes dual credit and honors credit opportunity**

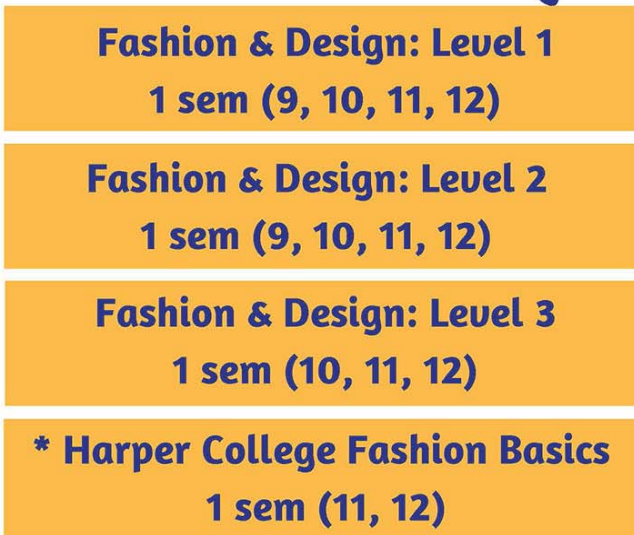
Educator Prep



Culinary Arts



Fashion & Design



Work Studies





FAMILY AND CONSUMER SCIENCES



FAMILY & CONSUMER SCIENCES

Ms. Dana Jeske, Chairperson
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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 encompasses 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.

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.

PASTRY CHEF

FCS 250

Elective

Grades 9, 10, 11, 12 One-Half Credit

Prerequisite: Culinary Basics

Grade Weight: College Prep

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.

CAKE DECORATING

FCS 270

Elective

Grades 10, 11, 12 One-Half Credit

Prerequisite: Pastry Chef

Grade Weight: College Prep

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.

CUISINE CHEF

FCS 260

Elective

Grades: 9, 10, 11, 12 One-Half Credit

Prerequisite: Culinary Basics

Grade Weight: College Prep / Honors

This intermediate course provides students with extensive culinary skills and food prep essentials in the areas of presentation, sauces, sandwiches, buffets, hors d'oeuvres, canapés, and meat cookery. Cuisine Chef runs/operates the Javaccino coffee bar and includes units in quantity and food production, which involve equipment and facilities simulating those found in business and industry.

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.

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, and mastery of culinary techniques. Students will also pick from a variety of culinary pathways to further their culinary experiences such as regional foods, frozen desserts, pizza/pasta, and meats. Students will develop an online portfolio of their work. Students will earn their Illinois Food Handlers Certificate during the first semester, and they will 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.

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.

GOLD & BOLD CAFE

FCS 371, 372, 373

Elective

Grades: 10, 11, 12 One Credit

Prerequisite: Catering 1

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. Students will be on a rotational schedule to open the cafe before school. 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 1, students may enroll in this level 2 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 again have the opportunity to earn their Illinois Managers' Certificate. All experiences in this course involve equipment and facilities simulating those found in the Business & Hospitality 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 fiber characteristics, fabric construction methods, elements of science and design in textiles and apparel, and basic construction skills used in interior furnishings and apparel industries.

FASHION & DESIGN II

FCS 120

Elective

Grades: 10, 11, 12 One-Half Credit

Prerequisite: Fashion & Design 1

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 1. 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 prenatal 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 participate in toddler/preschool observation.

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 developmental 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, Exploring Education and/or 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.

EXPLORING EDUCATION

FCS 301, 302, 303

Elective

Grades: 10, 11, 12 One Credit

Prerequisite: Child Development or Human Development

Grade Weight: College Prep / Honors

This course is designed for students that are interested in teaching school-aged children. Students will have the opportunity to

gain knowledge and experience in lesson plan writing, guidance, special education, curriculum development and teaching methods. Students in this course will explore the career of education, with a focus on middle school and high school teaching. Students will apply their 'teaching skills' throughout classrooms at Leyden High School.

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. Students will also attend multiple colleges and universities, participate in team based challenges, and participate in specific work dedicated to the Golden Apple Scholarship. This rigorous capstone course prepares students for success in college and their profession. Students who take this course will have the opportunity to be dually enrolled with Elmhurst University, where they will take a 4 credit hour course on campus and

receive support in the classroom at Leyden.

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. Students will also attend multiple colleges and universities, participate in team based challenges, and participate in specific work dedicated to the Golden Apple Scholarship. This rigorous capstone course prepares students for success in college and their profession. Students who take this course will have the opportunity to be dually enrolled with Elmhurst University, where they will take a 4 credit hour course on campus and receive support in the classroom at Leyden.

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 various hotels in the surrounding area. This project based course allows students to work collaboratively with their peers and explore various careers in both the hospitality and tourism career fields.

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

FCS 350, SCI 350, MEDCAR

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 a co-taught course with a Family and Consumer Sciences teacher and a Science teacher, receiving credit from both departments. To give students the best learning experience possible, they will spend a portion of the course observing medical professionals in the community at locations such as Gottlieb Hospital, local medical clinics, fire departments, and more. 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.

To participate in the hospital visits, students are required to provide proof of vaccinations including Varicella, MMR, Hep B, TDAP, and COVID-19. Students are also required to obtain a flu shot for the current flu season and receive a negative Tuberculosis test result.

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. 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 Beauty Academy. There is an additional charge for this program. Contact the Director of Careers & Community Outreach (fholthouse@leyden212.org) for additional information for this program.

ELMHURST EDUCTOR PREP DUAL ENROLLMENT

EDE

Elective

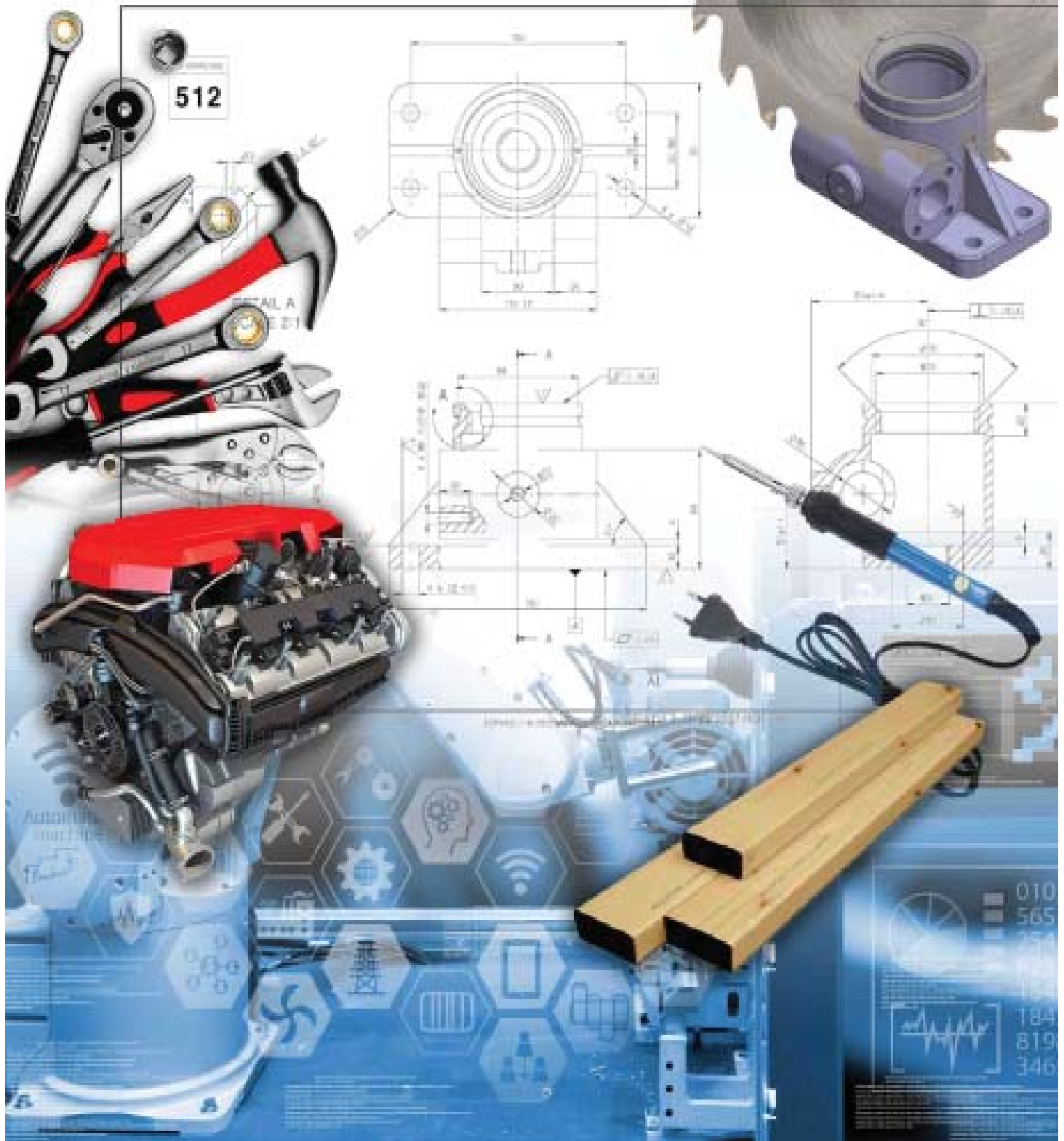
Grade: 11, 12 One-Half Credit

Prerequisite: One-half credit in Family and Consumer Sciences

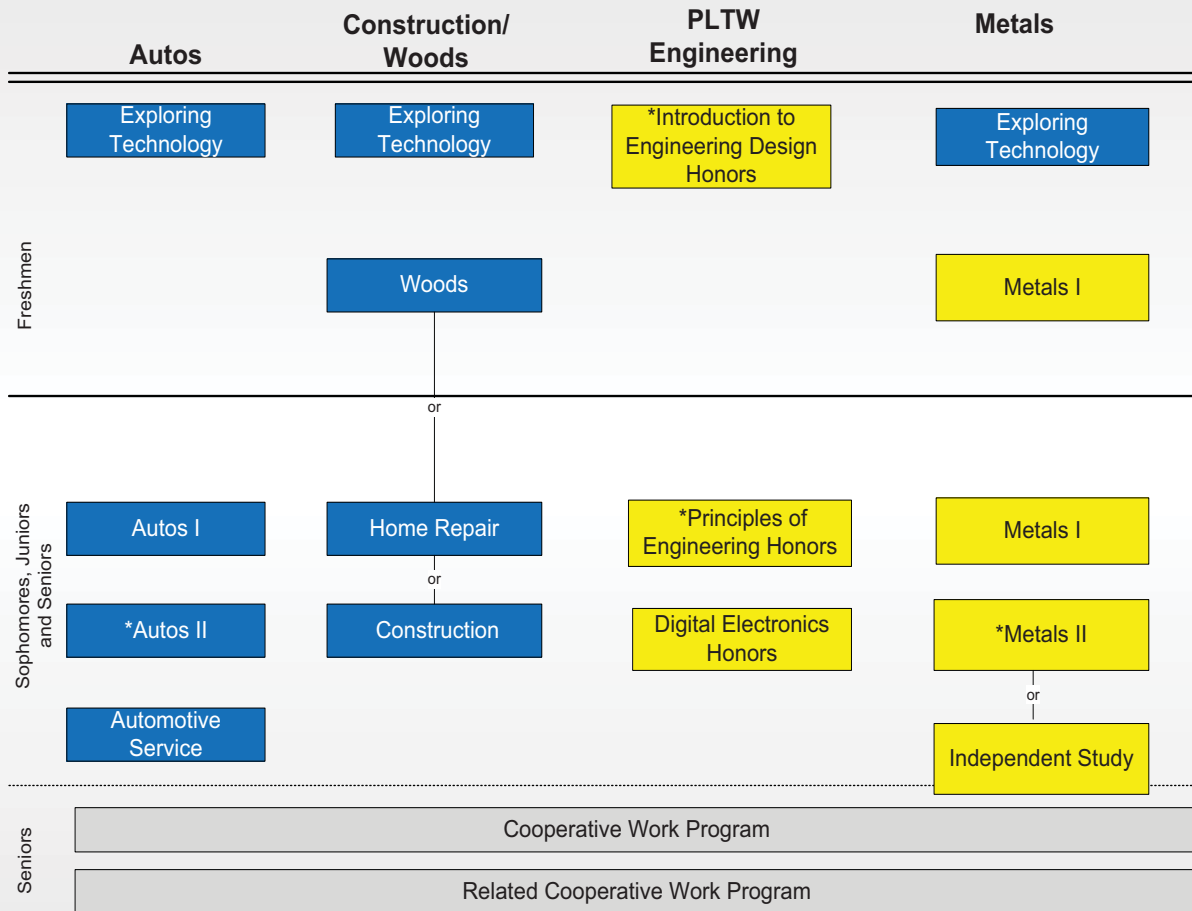
Grade Weight: Honors

Students enrolled in Education Academy 1 or Education Academy 2 have the opportunity to participate in a college level course on campus at Elmhurst University during the second semester. Students enrolled in this course will receive Leyden and Elmhurst credit and will have a release period, which allows students to travel to Elmhurst University.

INDUSTRIAL TECH



Industrial Technology 2023-2024



*indicates "Dual Credit"

INDUSTRIAL TECHNOLOGY

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(847) 451-3112
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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 co-operative 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

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: automotive measurement, fastener types, all automotive fluid services, engine rebuilding, tire installation, balancing, and repairs, and general vehicle maintenance.

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: engine performance, automotive electrical systems, exhaust and emission control, steering and suspension, fuel systems, cooling systems, brake systems, computerized diagnostics, modern vehicle servicing, and diagnostics. 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 and 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 vehicle service 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 can 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 learn about the processes involved in construction projects and may engage in a variety of small projects.

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 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 II

IND 170

Grades: 10, 11, 12 One-half Credit

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

Metals III

IND 191,192,193

Grades: 11, 12 One Credit

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

Construction II

IND 301,302,303

Grades: 11, 12 One Credit

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

Engineering Design & Development (EDD)

IND 481,482,483

Grades: 11, 12 One Credit

Prerequisite: Instructor approval/IED,POE,DE (EDD can be taken concurrently with DE if student is a Senior)

Independent Study

IND 900

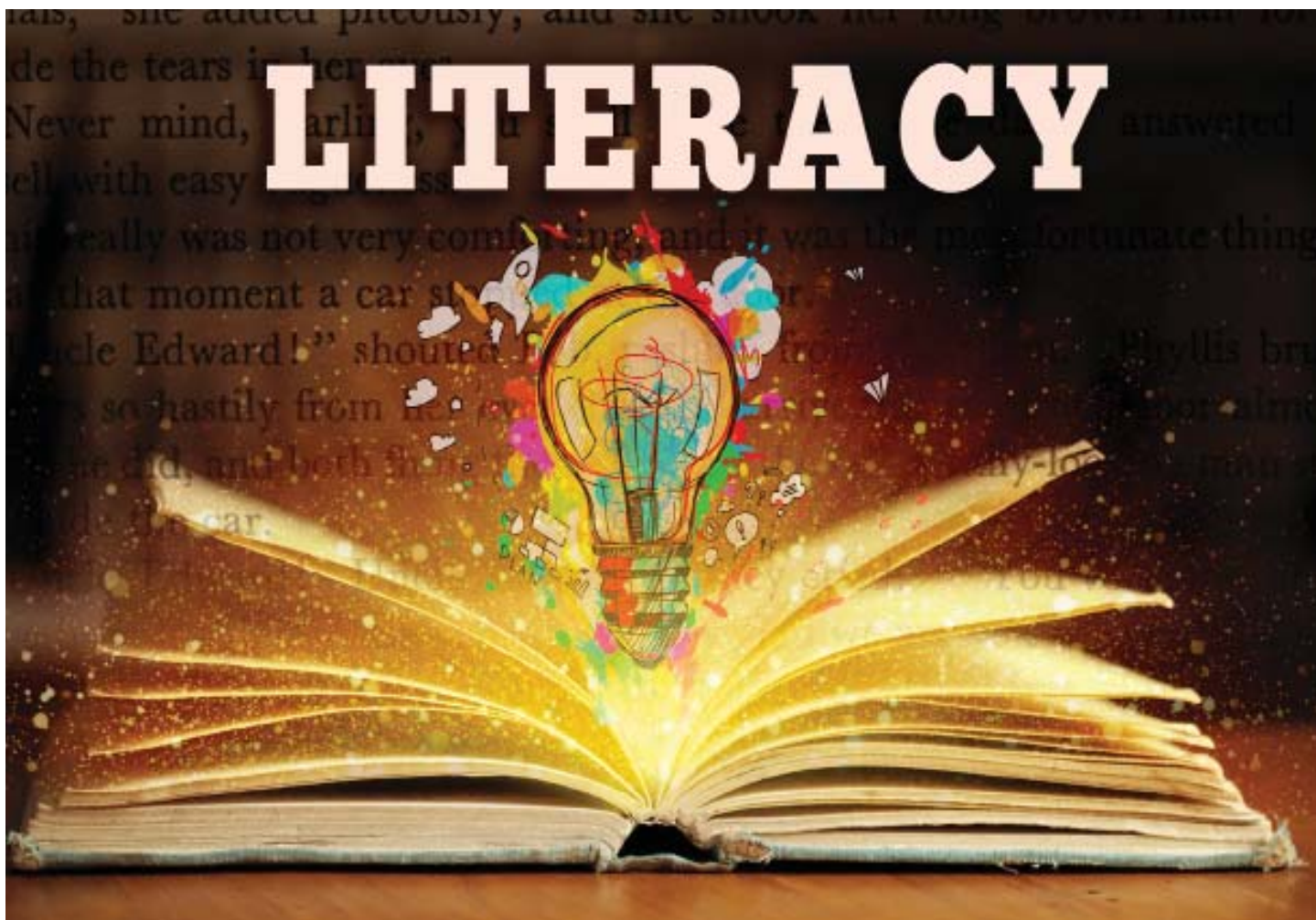
Grades: 11, 12

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

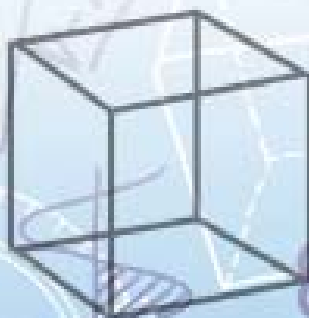
**Enrollment in a literacy course is required for students whose standardized test scores and reading and writing samples indicate a need to accelerate their development of literacy competencies.*

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 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 from the two-year requirement if enrolled at the 300 level.

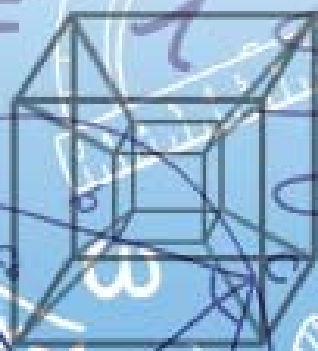
MATH



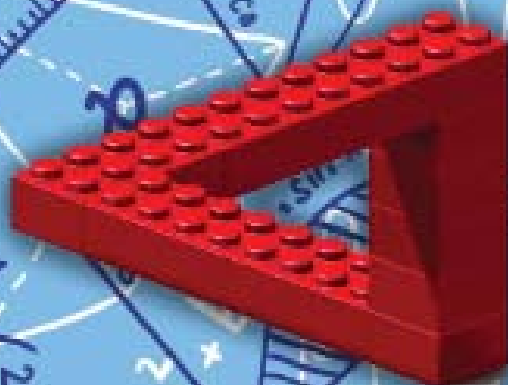
Square



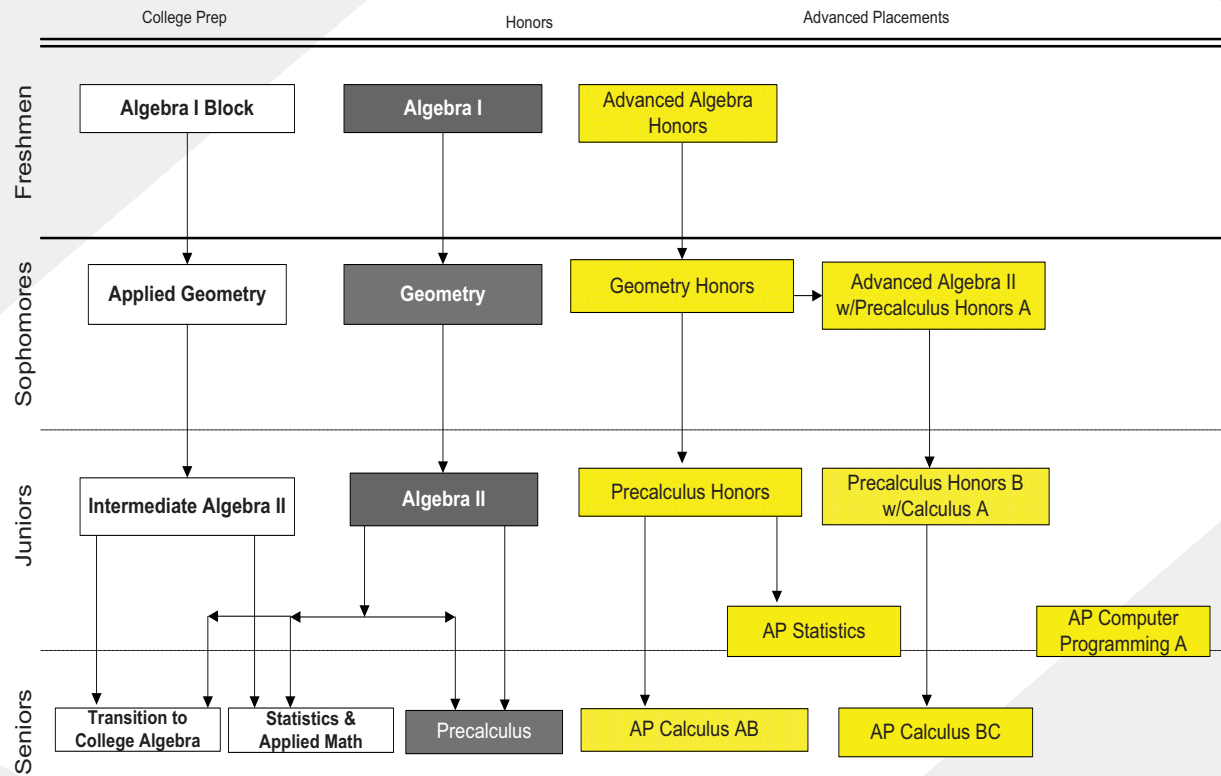
Cube



Tesseract



Math 2023-2024



MATHEMATICS

Mr. Jeremy Babel, Chairperson
(847) 451-3648 or
(847)451-3155
jbabel@leyden212.org

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 make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments and critique the reasoning of others, and model with mathematics.

PRE-ALGEBRA

MAT 0119, 0129, 0139

MAT 0117, 0127, 0137

Elective: Grades 9, 10, 11, 12 One Credit

Prerequisite: IEP Determination

Grade Weight: College Prep

Fundamental to student success in PreAlgebra is the students' ability to apply foundational mathematical concepts by building conceptual understanding, connect concepts and skills, and finally apply and practice each skill. To foster mathematical student success, topics should be taught with coherence. Specifically, topics are discussed as connected ideas, rather than individual concepts. Key to students' understanding of mathematical concepts is that they realize that problems are complex and there are multiple ways to approach a problem, using the foundation skills acquired in this particular class. Through the investigation of multiple representations of mathematical models and interpretations of data from real-life situations, students will strengthen conceptual understandings in mathematics. The ultimate goal is for students to become confident problem solvers by engaging in rigorous mathematical thinking, persevering through complex tasks, and attending to precision. By meeting these goals, students will build a strong foundation that will support their future mathematical studies.

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

MAT 111CT, 112CT, 113CT

MAT 1117, 1127, 1137

MAT 1119, 1129, 1139

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.

APPLIED GEOMETRY

MAT 201, 202, 203

MAT 201CT, 202CT, 203CT

MAT 2017, 2027, 2037

MAT 2019, 2029, 2039

Elective: Grades 10, 11, 12 One Credit

Prerequisite: Algebra I Block, 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 and will focus on applying geometric concepts to real life scenarios.

GEOMETRY

MAT 221, 222, 223

MAT 221CT, 222CT, 223CT

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

MAT 351CT, 352CT, 353CT

MAT 3519, 3529, 3539

MAT 3517, 3527, 3537

Elective: Grades 11, 12 One Credit

Prerequisite: Geometry or Applied Geometry (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

MAT 311CT, 312CT, 313CT

Elective: Grades 11, 12 One Credit

Prerequisite: Geometry or Applied Geometry (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/PRECALULUS 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. This course is also part of that pathway to AP Calculus BC for students who enter high school ready for Geometry Honors as Freshman.

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. This course is part of an accelerated course sequence designed to prepare students that enter high school ready for Advanced Algebra Honors for AP Calculus AB during their senior year.

PRECALCULUS HONORS B

w/CALCULUS A

MAT 411, 412, 413

Elective: Grade 11, 12 One Credit

Prerequisite: Advanced Algebra Honors II w/Precalculus Honors A

Grade Weight: Honors

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. For seniors in this course, it is a second in a sequence that provides students with an opportunity to experience Calculus in high school. For juniors, this course is a part of that pathway to AP Calculus BC for students who enter high school ready for Geometry Honors as Freshman.

STATISTICS & APPLIED MATH

MAT 331, 332, 333

Elective: Grade 12 One Credit

Prerequisite: Int. Algebra II or Algebra II

Grade Weight: College Prep

This class is designed to prepare and transition students directly into college and career pathways requiring general education college level math competencies in quantitative literacy and statistics. The competencies within each domain should include, but are not limited to: numeracy (operation sense, estimation, measurement, quantitative reasoning, basic statistics, and mathematical summaries), application based algebraic topics, and functions and modeling. Upon completion students should be able to: demonstrate proficiency and understanding in basic numeracy competencies in whole numbers, integers, fractions, and decimals, use estimation and explain/justify estimates, apply quantitative reasoning to solve problems involving quantities or rates, use mathematical summaries of data such as mean, median, and mode, use and apply algebraic reasoning as one of multiple problem-solving tools, and use functions and modeling processes. This course to be delivered through authentic application, problem based instruction designed to build mathematical conceptual understanding and critical thinking skills.

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 CALCULUS BC ☀

MAT 551, 552, 553

Elective: Grade 12 One Credit

Prerequisite: Precalculus Honors

Grade Weight: Advanced Placement

This course continues the study of calculus including functions, limits, derivatives, chain rule, continuity, maximum, minimum, sketching graphs, integrals, natural logarithms, parametric equations, polar coordinates, vector-valued functions, infinite sequences and series. 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.

MODERN LANGUAGES

Modern Languages 2023-2024

	French	Italian	Spanish
Open to Freshmen, Sophomores, Juniors & Seniors	French I	Italian I	Spanish I
			Spanish II
			Spanish I-Heritage
			Spanish II-Heritage
			Spanish III
Open to Sophomores, Juniors & Seniors	French II	Italian II	Spanish IV Honors
			AP Spanish Language & Culture
Open to Juniors & Seniors	French III	Italian III	Spanish & Latin American Film
		Italian IV Honors	Latin American Popular Culture
			AP Spanish Literature & Culture
Seniors Only	French IV Honors	AP Italian Language & Culture	
	AP French Language & Culture		

MODERN LANGUAGES

Mr. Michael Aldworth, Chairperson
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(847) 451-3649
maldworth@leyden212.org

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 of 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, audio sources, 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.

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.

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. This course is conducted in Spanish through the Natural Approach method, in which 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, writing short paragraphs, audio recordings, films, and videos in this course.

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 is conducted in Spanish to 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.

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 is conducted in Spanish in order to 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.

SPANISH II-Heritage

MLG 231, 232, 233

Elective: Grades 9, 10, 11, 12 One Credit

Prerequisite: Spanish I Heritage or placement test for students with knowledge of the Spanish language.

Grade Weight: College Prep

This course is conducted in Spanish in order to 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.

SPANISH III

MLG 311, 312, 313

Elective: Grades 9, 10, 11, 12 One Credit

Prerequisite: Spanish II, Spanish II Heritage, 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 entirely 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 one-semester 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.

LATIN AMERICAN POPULAR CULTURE

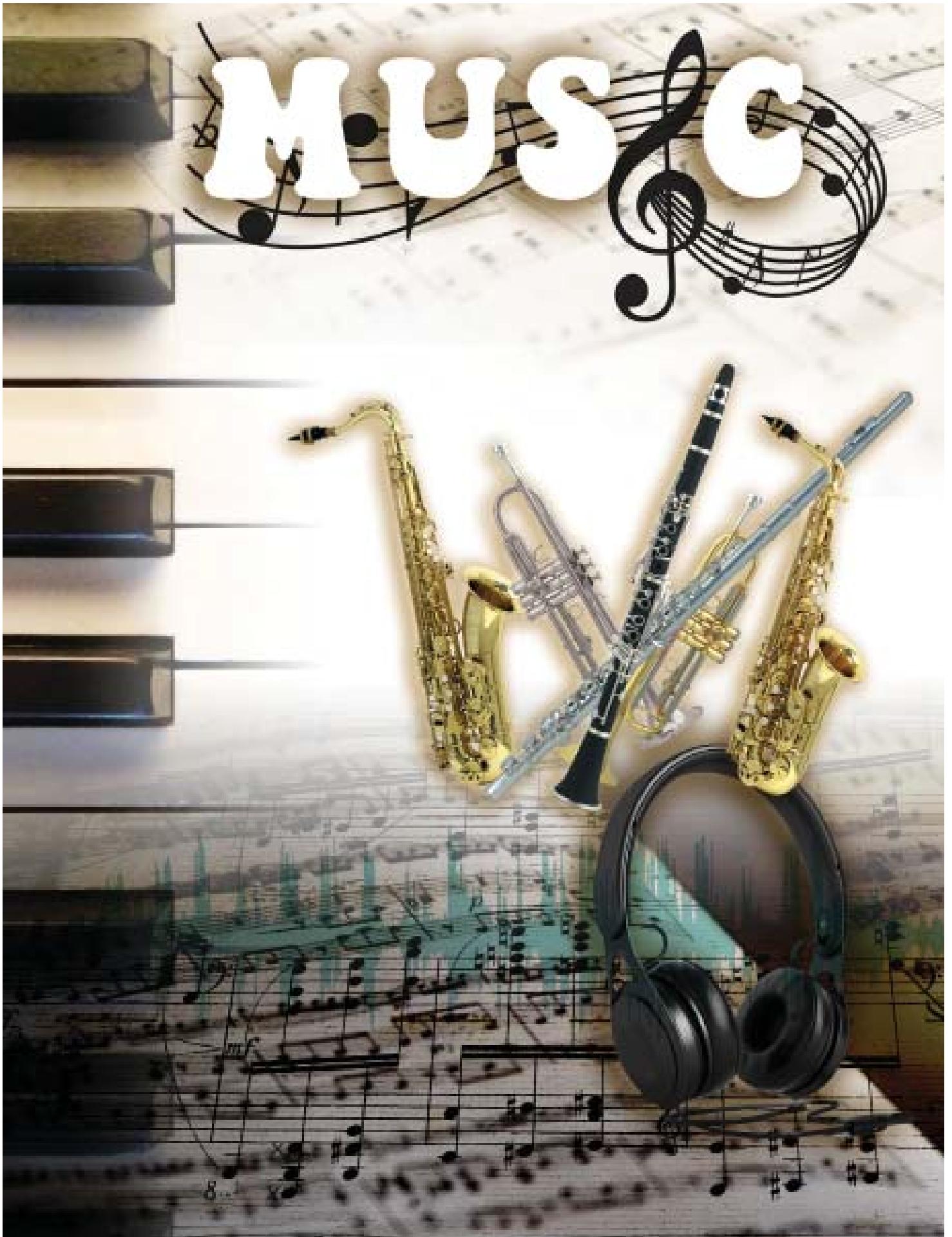
MLG 330

Elective: Grade 11, 12 One-Half Credit

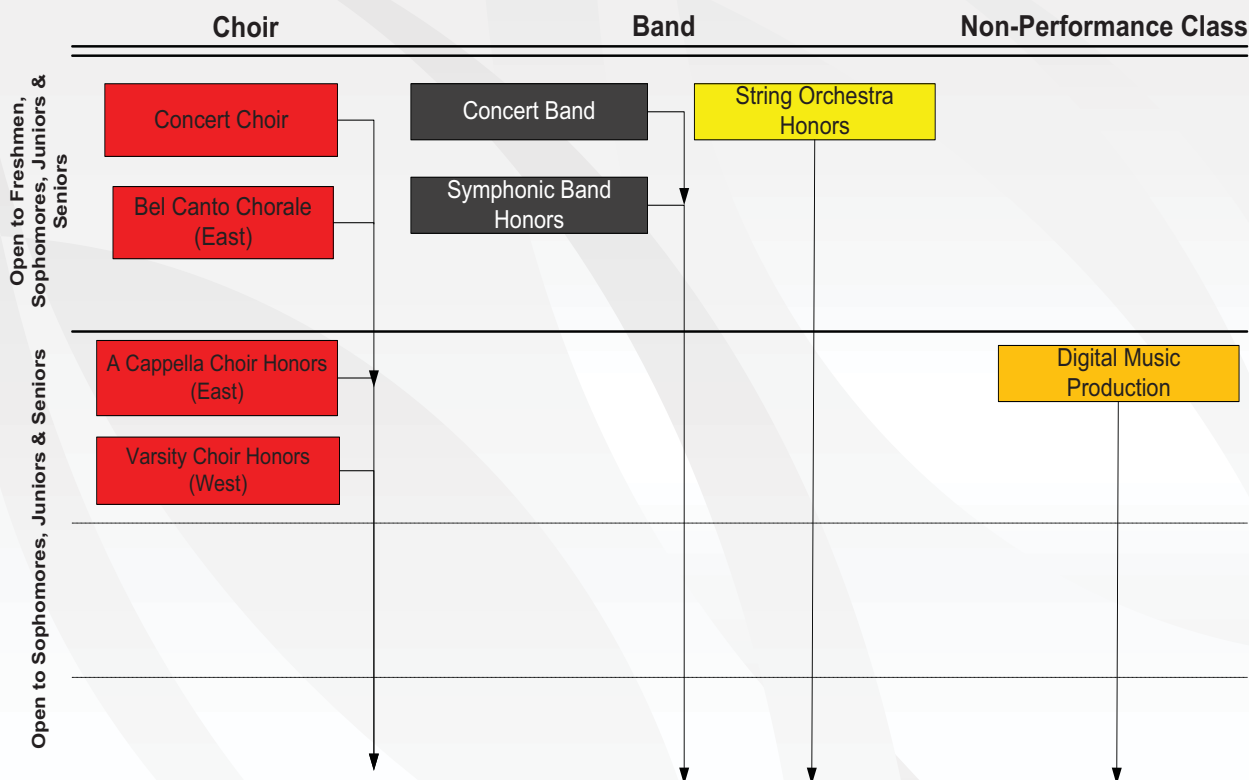
Prerequisite: 2 years of coursework in Spanish

Grade Weight: College Prep

This one-semester course is conducted completely in Spanish and will provide students with an opportunity to analyze music, art, sports, social media, and pop culture as sources of text. It will focus on Spanish speaking pop culture in order to continue building skills in the four domains of language (reading, writing, speaking and listening), as well as improve students' cultural competency. Additionally, as students explore the impact of different Latin American influences, Latinos in the United States, and LatinX popular culture and social themes, students will become more knowledgeable Spanish-speaking global citizens.



Music 2023-2024



MUSIC

Mr. Bryan Miller, Chairperson
(847) 451-3049 or
(847) 451-3146
bmiller@leyden212.org

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, and Unresolved.

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.

(☀ 4th year Choir/Band/Orchestra 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.

Treble range vocal students have the opportunity to audition for Bel Canto Chorale. This advanced level treble 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 treble 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 high 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.

VARSITY CHOIR HONORS (West)

MUS 211, 212

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

Performing high 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 West Leyden and is designed for more advanced singers at West Leyden. Students must audition for placement into this course. This class fulfills the fine arts graduation requirement.

CONCERT BAND

MUS 131, 132

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

Fundamentals of woodwind, brass, and percussion performance are emphasized through study and performance of a diverse repertoire of challenging band literature. This class is designed for students with prior band experience. In addition to performing at featured concerts, Concert Band members may also perform in the Marching and/or Basketball Bands. The Concert Band also participates in selected educational field trip performances and band tours. Performances and rehearsals outside of the school day are an expected component of this group's schedule. 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 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.

DIGITAL MUSIC PRODUCTION

MUS 240

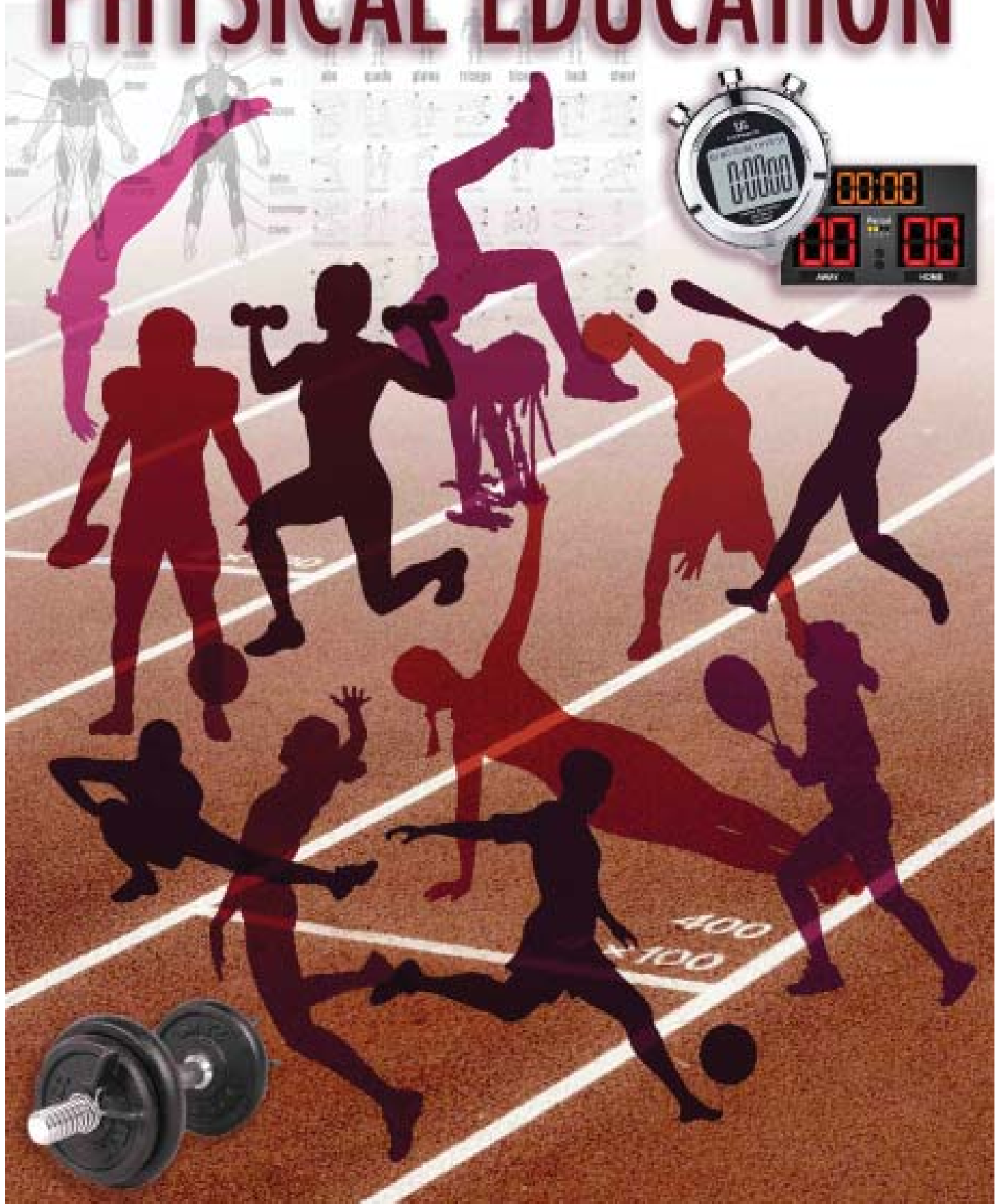
Elective: Grades 10, 11, 12 One-Half Credit

Prerequisite:

Grade Weight: 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 2023-2024

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 101, 102

PEH 101CT, 102CT

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

PEH 1817, 1827

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

Badminton	Basketball	Football
Fitness Testing	Soccer	Softball
Swimming	Team Building	Volleyball
Tennis	Weight Training	Wrestling

A variety of physical activities are provided for freshman students, including instruction in sport techniques for both team and individual sports. The team/individual sport units covered in this course expose students to the athletics offered at Leyden. 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

PEH 2217, 2227

Required: Grade 10 One-Half Credit
 Prerequisite: IEP Determination
 Grade Weight: College Prep

Badminton	Basketball	Football
Fitness Testing	Soccer	Softball
Swimming	Team Building	Volleyball
Tennis	Weight Training	Wrestling

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 develop 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:

Aerobics	Badminton	Basketball
Bowling ‡	Flag Football	Floor Hockey
Golf	Soccer	Softball
Speedball	Tennis	Ultimate Games
Volleyball	Weight Training	Yoga

‡ 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

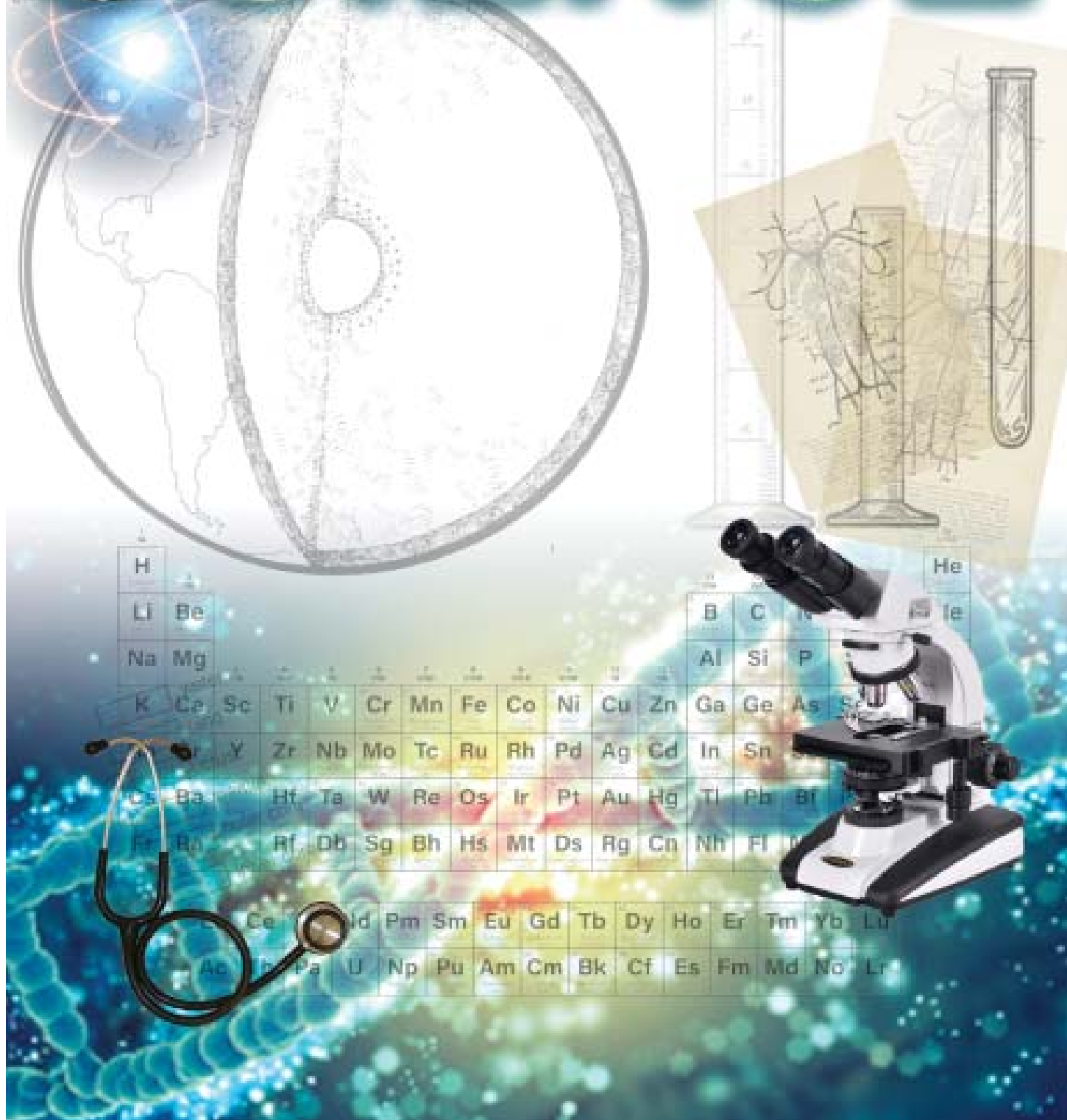
Elective: Grades 11, 12

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 Department 2023-2024

Leyden requires students to take biology and physical science or chemistry.

Academy Biology	Academy Physical Science	Chemistry
Biology	Physical Science	Chemistry Honors
Honors Biology		Bilingual Chemistry
Co.lab Biology		
Bilingual Biology		

Elective science courses are taken years 3 & 4 following the pre-requisites.

Food Chemistry	Chemistry	AP Biology	Anatomy & Physiology
Earth Science	Chemistry Honors	AP Chemistry	Environmental Science
Medical Careers	Physics	AP Physics 1	
CNA Program	Physics Honors	AP Physics 2	

SCIENCE

Mr. John Kmet, Chairperson
(847) 451-3631 or
(847) 451-3604
jkmet@leyden212.org

PHYSICAL SCIENCE

SCI 101, 102, 103

Required: Grade 9 One Credit
 Prerequisite: None
 Grade Weight: College Prep

SCI 131, 132, 133

SCI 131CT, 132CT, 133CT

Required: Grade 9 One Credit
 Prerequisite: None
 Grade Weight: College Prep

SCI 1317, 1327, 1337

SCI 1319, 1329, 1339

Required: Grade 9 One Credit
 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 as well. 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 One Credit
 Prerequisite: None
 Grade Weight: College Prep

SCI 251, 252, 253

SCI 251CT, 252CT, 253CT

Required: Grade 9, 10 One Credit
 Prerequisite: None
 Grade Weight: College Prep

SCI 2517, 2527, 2537

SCI 2519, 2529, 2539

Required: Grade 10 One Credit
 Prerequisite: IEP Determination

Grade Weight: College Prep

The course content includes concepts and basic terminology of biology and application of these concepts 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 may include dissection.*

**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.*

BILINGUAL BIOLOGY

ELL 211, 212, 213

Required: Grades 9, 10 One Credit
 Prerequisite: None
 Grade Weight: Honors

This biology course is designed to give students opportunities to develop life science concepts and terminology. Throughout the year, students will apply learning to everyday life and explore the ways biology helps define issues and solutions seen in our environment. Basic processes, techniques, and equipment as well as biological laboratory experiments will be emphasized. Students will apply scientific research to classroom projects that demonstrate their learning and growth. This course is taught with an emphasis on supporting student acquisition of academic Spanish and English and development of all their linguistic abilities and skills.

BIOLOGY HONORS

SCI 121, 122, 123

Required: Grades 9, 10 One Credit
 Prerequisite: None
 Grade Weight: Honors

The 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 One Credit
 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, construct explanations, and design solutions. Emphasis is on scientific and chemical literacy in a lab-intensive environment.

BILINGUAL CHEMISTRY

ELL 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.

CHEMISTRY HONORS

SCI 221, 222, 223

Elective: Grades 10, 11 One Credit

Prerequisite: One unit of Biology Honors, and concurrent 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. Experimental design 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 11, 12 Two Credits
Prerequisite: Three years of science; Physics recommended
Concurrent enrollment in PreCalculus or above
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.

ENVIRONMENTAL SCIENCE

SCI 411, 412, 413

Elective: Grades 12 One Credit

We live in a rapidly changing world in which the human species is both the cause of and the solution to many of the global environmental problems our generations will face. Our goal for our class is to become environmentally literate individuals and within our communities, poised to make informed decisions based on sound science and to appreciate, value, and respect the diversity of life on our planet.

The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze

environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. Environmental Science is an applied science course. Therefore, it is designed to provide students with the scientific principles, concepts, and methodologies of the natural world and draws from various scientific disciplines.

MEDICAL CAREERS

SCI 350, FCS 350, MEDCAR

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 Genera-

tion 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

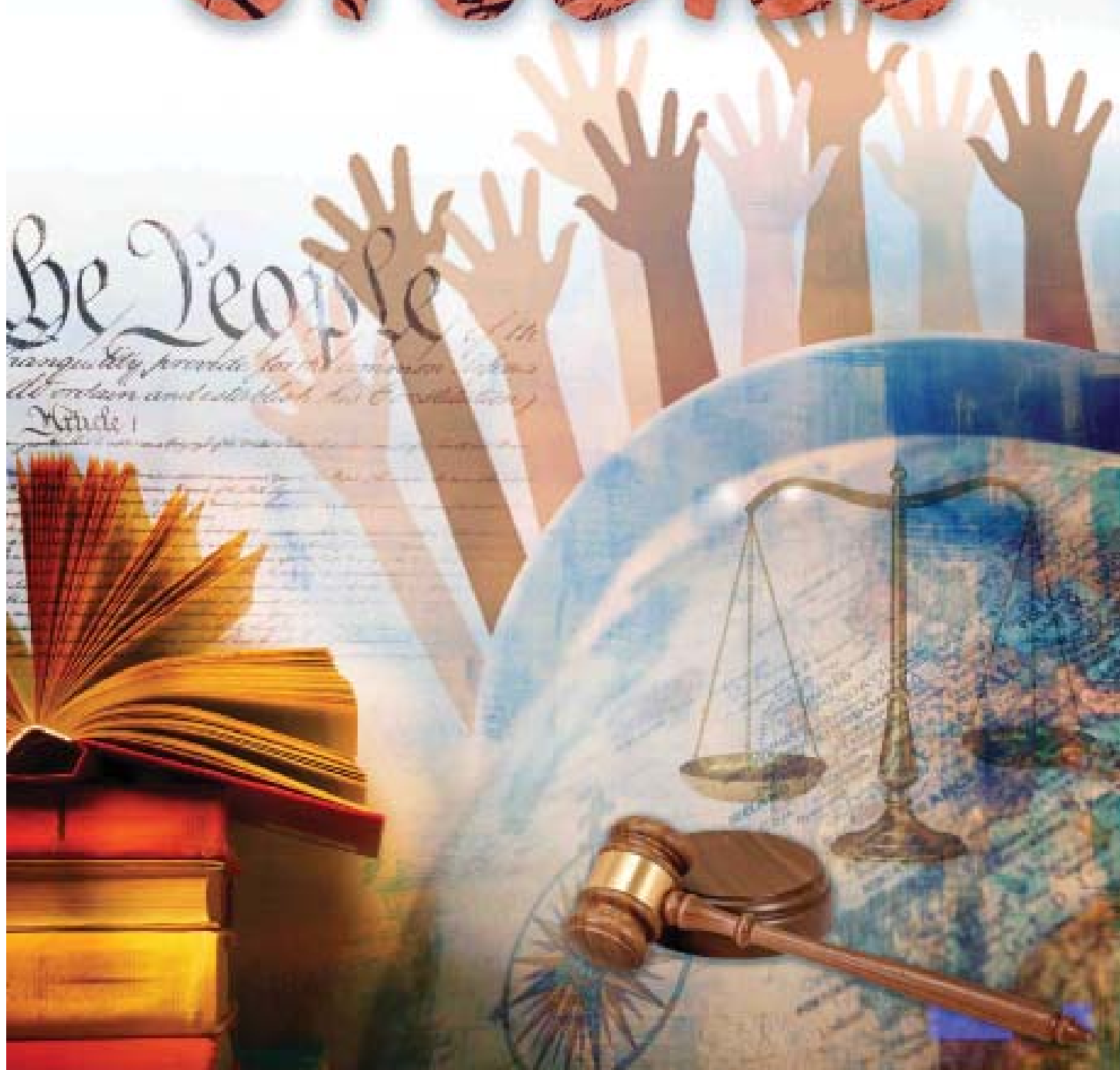
Elective: Grades 11, 12 One-Half Credit

Prerequisite: Two units Science and two units Math

Grade Weight: College Prep

This course will provide a rich lab-based experience following topics found in the traditional chemistry course. Students will study the biochemical reactions that occur during the metabolism of food, the reactions found in the food industry, and the home kitchen. Career exploration in food chemistry, biochemistry, quality control, and nutrition will also be discussed. A graphing calculator is required.

SOCIAL STUDIES



Social Studies 2023-2024

College Prep

Honors/Advanced Placement

Electives

Freshmen

Sophomores

Juniors

Seniors

Global Studies

Global Studies Honors

Electives available to sophomores, juniors and seniors

AP U.S. Government & Politics

AP European History

*Civics (1 Semester)

Law

Latin American Studies

Psychology

Sociology (Honors)

Economics (Honors)

United States History

United States History Honors

AP United States History

AP Psychology

AP European History

American Studies

Social Studies Seminar

*Civics will be a graduation requirement for the Class of 2020 and beyond.

SOCIAL STUDIES

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

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.

GLOBAL STUDIES

SOC 101, 102, 103

Required: Grade 9 One Credit
Prerequisite: None
Grade Weight: College Prep

SOC 141, 142, 143

SOC 141CT, 142CT, 143CT

Required: Grade 9 One Credit
Prerequisite: None
Grade Weight: College Prep

SOC 1417, 1427, 1437

SOC 1419, 1429, 1439

Required: Grade 9 One Credit
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.

BILINGUAL GLOBAL STUDIES

ELL 151, 152, 153

Required: Grade 9 One Credit
Prerequisite: None

Bilingual Global Studies is a two-semester course that is required for graduation. The purpose of the course is to develop reading, writing, listening and speaking skills while introducing the technical language, content and skills of social studies. The course will use student background knowledge and language skills to increase content knowledge. This course is taught with an emphasis on supporting student acquisition of academic Spanish and English. The ratio of language usage will change as the course progresses. 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.

GLOBAL STUDIES HONORS

SOC 161, 162, 163

Required: Grade 9 One Credit
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

SOC 250CT

SOC 2507

Required: Grade 10, 11, 12 One-Half Credit
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, 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

SOC 311CT, 312CT, 313CT

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.

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.

AP 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. 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, Honors

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. Students have the opportunity to earn honors credit.

SOCIAL STUDIES SEMINAR

SOC 420

Elective: Grade 12 One-Half Credit

Prerequisite: None

Grade Weight: College Prep, Honors

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. Students have the opportunity to earn honors credit.

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. Marianna Lorenz, Chairperson
(847) 451-3187 or mlorenz@leyden212.org

SOCIAL COMMUNICATION

ENG 1519, 1529, 1539

One Credit

Prerequisite: IEP Determination

Students with an IEP that have demonstrated significant difficulty with social thinking, perspective talking, 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.

SOCIAL DEVELOPMENT

PEH 1117, 1127, 1137

One Credit

BRIDGE

SWEP III/IV (BRIDGE)

BUS 3316, 3326

One Credit

Prerequisite: IEP Determination; Recommended to be currently enrolled in Related SWEP III/IV.

Grade Weight: Academic Core

This two-year program develops successful employment skills. The goal of this course is to prepare students for the vocational world and improve essential work skills, including employment, interview skills, problem-solving within the workplace, self-advocacy and effective communication skills.

RELATED SWEP III/IV (BRIDGE)

BUS 3416, 3426

One Credit

Prerequisite: IEP Determination

Grade Weight: Academic Core

Must be concurrently enrolled in SWEP III/IV. Students are recommended to be registered as a client of the Department of Rehabili-

tation Services-DRS. This two-year program develops successful employment skills. 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. DRS funds student training and transportation. DRS services are also available to the student after graduation.

ADULT LIVING (BRIDGE)

BUS 1616, 1626

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

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

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

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

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 One Credit

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

One Credit

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 One Credit

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.

LIFE

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.

APPLIED LIVING (LIFE HIGH SCHOOL)

XYZ 1015-1

Required: Grades 9, 10, 11, 12

Prerequisite: IEP Determination

Grade Weight: Credited

This course introduces students to tasks and topics regarding daily living. Students participate in a set morning routine including classroom jobs that grow their independence. Students are oriented to their surroundings when they meet as a group to discuss current events, weather, vocational exploration, self-advocacy in action, and independent living as an adult. Students explore interests to solidify leisure activities of choice as well.

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.

LIFE ARTS

FCS 1015, 1025

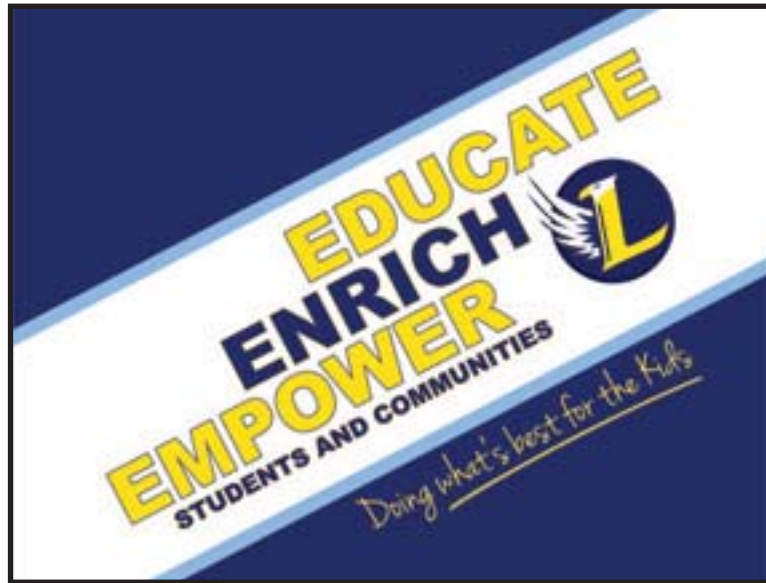
Required: Grades 9, 10

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.

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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