



**LAWRENCEVILLE HIGH SCHOOL**  
**CURRICULUM GUIDE**  
**2025-2026**

## INDEX

General Information.....	1
Registration Procedure.....	2
Grade Classification.....	2
Standardized Testing.....	2
Credit Requirements.....	3
Grading Scale.....	3
Weighted Grades/Courses.....	4
LHS Course Offerings.....	4-5

## COURSES & DESCRIPTIONS

Agriculture.....	6-7
Art.....	7-9
Business.....	9-10
Driver Education/PE/Health.....	10-11
English.....	11-14
Family & Consumer Sciences.....	14-16
Foreign Language.....	16-17
Health Occupations.....	18
Industrial Arts.....	18-19
Mathematics.....	19-21
Music.....	21
Science.....	22-23
Social Studies.....	24-25
Other.....	25-28

## DISCLAIMER

This handbook is not intended to create a contractual relationship with the student; rather, it is intended to describe the school, its current practices, procedures, rules, and regulations (or code of conduct). Membership or participation in a school-sanctioned activity is a privilege and not a property right.

## GENERAL INFORMATION

This document includes general information concerning course descriptions and procedures followed relating to the curriculum at Lawrenceville High School. In addition to this document, the school's website and the student handbook may be sources of additional information. The reader is encouraged to direct specific questions to school personnel.

## THE SELECTION OF SUBJECTS

Choosing the right classes is very important. Students are encouraged to discuss course choices with parents, teachers, and students presently taking classes to determine the appropriateness of course selections. Students should keep in mind career goals, personal goals, and college/advanced training options when making their curriculum plans. The academic advisor is also a source of information on college and career requirements and current standings in credits and graduation requirements. With all of this information in mind, students then indicate course selections for the next year using the appropriate forms.

Teacher recommendations are important in assisting students with their choice of courses. More than anyone else, the teacher has worked with the student on an academic level. The advisor will also consider standardized test performance in the determination of class placement.

## **REGISTRATION PROCEDURE**

- The advisor meets with students to distribute registration materials, to discuss courses, and to answer questions.
- The student takes the registration materials home to discuss a tentative course request list with parents/guardians.
- The registration form is turned in to the advisor after being signed by the student and the parents/guardians.
- Students enter requests into the computer.

## **GRADE CLASSIFICATION**

Students at the high school level are promoted based on the number of credits earned.

Grade Classification is as follows:

- Grade 10: 6 credits
- Grade 11: 12 credits
- Grade 12: 20 credits

## **TRANSFER CREDIT REQUIREMENT**

Effective 2017-2018

- Freshman Enrollment: Sem. 1 or 2 -28 credits
- Sophomore Enrollment: 27 credits
- Junior Enrollment: 26 credits
- Senior Enrollment: 25 credits

## **CREDIT ADJUSTMENT**

Adopted August 2020

Lawrenceville High school students placed at a different serving school will have total graduation credits according to the total number of possible credits earned at the serving school by subtracting one credit for each year of school. For example, if a student can earn a total of 28 credits at the serving school over the course of 4 years, the graduation total credit requirement for a Lawrenceville High school student is 24. (This is in line with LHS total credits; a student may earn 32 credits over the course of 4 years and the total graduation credit requirement is 28.) Students placed at the serving school shall meet all other LHS graduation requirements.

## **ILLINOIS EASTERN COMMUNITY COLLEGE—DUAL CREDIT COURSES**

Depending on grade level, students may receive college credit through Dual Credit arrangement with IECC upon successful completion of the requirements of the course.

A rate of \$40.50 per credit hour of course is charged by IECC for dual credit courses. This fee is not covered by school fee waivers.

## **POLICY CONCERNING STANDARDIZED ACHIEVEMENT TESTS AND SCHOOL-WIDE ASSESSMENTS**

Community Unit School District #20 is required to administer standardized achievement tests and school-wide assessments to its students. The Board of Education finds and determines that results of those tests are extremely important to both the school district and to the students taking those tests. Results of such tests provide critical information concerning the effectiveness of the school district's academic program and assist school personnel in determining the correct educational placement of students. The Board further finds and determines that a small number of students have in the past not put forth proper effort to ensure maximum achievement on those tests, which has caused a detrimental effect on those students and on the school district as a whole. Therefore, it is the intent of this policy to set forth procedures governing students taking standardized achievement tests and school-wide assessments and to ensure maximum effort and achievement by all students taking such tests.

# CREDIT REQUIREMENTS

## LHS GRADUATION REQUIREMENTS

- 4 Credits English
  - 1 credit English I
  - 1 credit English II
  - 1 credit English III
  - 1 credit English IV
- 3 Credits Mathematics
- 3 Credits Science
  - 1 credit in Biology I
  - 2 credits in science electives
- 3 Credits Social Science
  - 1 credit World History
  - 1 credit U.S. History
  - ½ credit Civics
  - ½ credit elective
- 1 Credit Foreign Language, Music, Art, or Vocational
- ½ Credit of Physical Education per semester of attendance unless exempt according to state law\*
- ½ Credit Health
- ½ Credit Consumer Education
  - Options also include Economics (may count as Consumer.Ed Credit and Social Studies Credit); Ag Business Management, and Adult Living.
- Pass the US & IL Constitution Exam
- Electives

**Total: 28 Credits (Each Semester = ½ Credit)**

*\*Special exceptions for PE exemptions can be found in the student handbook.*

## COLLEGE ADMISSIONS REQUIREMENTS

- 4 Units English
- 3 Units Math
- 3 Units Lab Science
- 3 Units Social Studies
- 2 Foreign Language\* (\*Music, Art, or Vocational Sequence may be substituted at some colleges.)

Course requirements vary by institution. Students are encouraged to check with the specific college in order to learn specific requirements. Students interested in participating in college athletics should contact their coach or the guidance counselor for information regarding course and ACT requirements enforced by the NCAA clearinghouse.

Those tests include but are not limited to: PSAT 9, PSAT 10, PSAT/NMSQT, and SAT.

## GRADING SCALE

- 90-100 A
- 80-89 B
- 70-79 C
- 60-69 D
- 0-59 F

## WEIGHTED GRADES

Effective the 2004-2005 school year, several junior/senior classes became weighted. The following schedule will be used to calculate the grades to determine GPA for honor roll and class rank:

A	5.0
B	4.0
C	3.0
D	2.0
F	0

## LHS COURSE OFFERINGS (with Grade Levels/Credits Earned)

### Agriculture

Introduction to Agriculture (Gr.9-12/1.0)  
Agricultural Science (Gr.10-12/1.0)  
Horticulture (Gr. 10-12/1.0)  
Agribusiness Management (Gr. 11-12/1.0)  
Ag Communications & Leadership (Gr.11-12/1.0)  
Ag Mech & Tech (Gr.10-12/1.0)

### Art

Introduction to Art (Gr.9-12/1.0)  
Two-Dimensional Art (Gr.10-12/1.0)  
Three-Dimensional Art (Gr.10-12/1.0)  
Ceramics (Gr.11-12/0.5)  
Painting (Gr.11-12/0.5)  
Sculpture (Gr.11-12/0.5)  
Drawing (Gr.11-12/0.5)  
Advanced Art I (Gr.12/0.5)  
Advanced Art II (Gr.12/0.5)

### Business

Documents & Records (Gr.9-12/0.5)  
Visual Presentations (Gr.9-12/0.5)  
Banking & Finance (Gr.10-12/0.5)  
Accounting I (Gr.10-12/1.0)  
Consumer Business (Gr.11-12/0.5)\*

## WEIGHTED COURSES

Enriched English III	Physics
Enriched English IV	Economics
Math III	Spanish III
Calculus	Spanish IV
Probability & Statistics	Advanced Art I
Anatomy & Physiology	Advanced Art II
Biology II	Advanced Band
Chemistry II	Advanced Choir
Chemistry III	CEO

## \*Graduation Requirement

Creating Entrepreneurial Opportunities (Gr.11-12/2.0)

### Driver Education/Physical Education/Health

Driver Education (Gr.9-12/0.5)  
Physical Education (Gr.9-12/1.0)\*  
Health (Gr.9-12/0.5)\*

### English

English I (Gr.9/1.0)\*  
English II (Gr.10/1.0)\*  
Enriched English II (Gr.10/1.0)  
English III (Gr.11/1.0)\*  
Enriched English III (Gr.11/1.0)  
English IV (Gr.12/1.0)\*  
Enriched English IV (Gr.12/1.0)  
Creative Writing (Gr.9-12/0.5)  
Drama (Gr.9-12/0.5)  
Emerging Media (Gr.9-12/0.5)  
Poetry (Gr.9-12/0.5)  
Speech (Gr.11-12/0.5)  
Themes in Literature (Gr.9-12/0.5)  
Yearbook I (Gr.9-12/1.0)  
Yearbook II (Gr.10-12/1.0)

### **Family & Consumer Science**

Orientation to Family & Consumer Sciences (Gr.9-12/0.5)  
Adult Living (Gr.11-12/0.5)  
Child Development (Gr.11-12/0.5)  
Foods & Nutrition (Gr.10-12/1.0)  
Living Environments (Gr.11-12/0.5)  
Parenting (Gr.11-12/0.5)  
Human Growth & Development (Gr.10-12/1.0)  
Introduction to Teaching (Gr.11-12/0.5)  
Educational Psychology (Gr.11-12/0.5)  
The Whole Child (Gr.11-12/0.5)  
Preclinical Experiences in Ed. (Gr.11-12/0.5)

### **Foreign Language**

Spanish I (Gr.9-12/1.0)  
Spanish II (Gr.10-12/1.0)  
Spanish III (Gr.11-12/1.0)  
Spanish IV (Gr.12/1.0)

### **Health Occupations**

Health Occupations I (Gr.11-12/2.0)

### **Industrial Arts**

Introduction to Industrial Arts (Gr.9-12/1.0)  
Beginning Automotive Services (Gr.10-12/1.0)  
Welding I (Gr.11-12/0.5)  
Welding II (Gr.11-12/0.5)  
Beginning Construction (Gr.10-12/0.5)

### **Mathematics**

Mathematics I (Gr.9/1.0)\*  
Mathematics II (Gr.10/1.0)  
Enriched Math II (Gr.10/1.0)  
Intermediate Math I (Gr.10-12/1.0)  
Intermediate Math II (Gr.11-12/1.0)  
Math III (Gr.10-12/1.0)  
Quantitative Literacy & Statistics (Gr.11-12/1.0)  
Intermediate Algebra (Gr.12/1.0)  
Calculus (Gr.12/1.0)  
Probability & Statistics (Gr.12/1.0)

### **Music**

Band (Gr.9-12/1.0)  
Advanced Band (Gr.12/1.0)  
Choir (Gr.9-12/1.0)

Advanced Choir (Gr.12/1.0)

### **Science**

Biology I (Gr.9-12/1.0)\*  
Integrated Lab Science (Gr.9-12/1.0)  
Science Inquiry (Gr.9-12/1.0)  
DNA Decoded (Gr.10-12/1.0)  
Earth Science (Gr.10-12/1.0)  
Chemistry I (Gr.10-12/1.0)  
Biology II (Gr.11-12/1.0)  
Chemistry II (Gr.11-12/1.0)  
Anatomy & Physiology (Gr.11-12/1.0)  
Physics (Gr.12/1.0)  
Chemistry III (Gr.12/1.0)

### **Social Studies**

World History (Gr.9-12/1.0)\*  
World Geography (Gr.9-11/1.0)  
United States History (Gr.10-12/1.0)\*  
Civics (Gr.11-12/0.5)\*  
Ancient Rome (Gr.11-12/0.5)  
Economics (Gr.11-12/1.0)  
Psychology (Gr.11-12/0.5)  
Sociology (Gr.11-12/0.5)  
U.S. Presidents (Gr.11-12/0.5)  
World War II (Gr.11-12/0.5)

### **Other Electives**

Community Service & Career Exploration (Gr.11-12/0.5)  
Cooperative Education (Gr.11-12/2.0)  
Self-Management & Career Exploration (Gr.9-12/1.0)  
STEP Work (Gr.11-12/1.0)  
Online Dual Credit (Gr.11-12/0.5)  
Firefighting Fundamentals (Gr.11-12/1.0)  
Fire Science II (Gr.12/2.0)  
Hazardous Materials (Gr.11-12/1.0)  
Sports Officiating (Gr.10-12/1.0)

## AGRICULTURE

### Introduction to Agriculture

AGR N 101 (18001A001) G *Intro Ag.Industry\**

Length: 2 Semesters      Periods: 1

Grade: 9-12                  Prerequisite: None

Introduction to Agriculture is a beginning course about many different aspects of the agricultural industry. Subjects covered during this course will include but are not limited to FFA, ag leadership, welding, small engines, crop science, companion animal science, production animal science, horticulture, electricity, record keeping, soil science, agriculture history, and agriculture careers. Computers are utilized through written reports and internet research. This class can benefit both students who are from an agricultural background as well as those who have no experience in ag.

### Agricultural Science

AGR N 201A&B (18003A001) G *Basic Ag Science\**

Length: 2 Semesters      Periods: 1

Grade: 10-12                  Prerequisite: Intro to Ag

Agricultural Science is a second-year course which explores the scientific nature of agriculture. Topics covered in this course may include Agri-science and its effects on how we live, careers, soil science, forestry, wildlife management, aquaculture, plant science, crop science, ornamental plants, genetics, animal science, small animal care and management, food science, and business opportunities in Agri-science. Hands-on experiments and projects will be utilized for many subject areas. This course may count towards a science credit requirement for graduation with permission from the guidance office.

### Horticultural Production and Management

AGR N 303A&B (18051A001) G

Length: 2 Semesters      Periods: 1

Grade: 10-12                  Prerequisite: Intro to Ag  
or 1 year of science

Horticulture Production and Management is designed for students interested in horticulture. The class gives a science-based approach to the different areas of horticulture and requires some math, reading, and scientific knowledge. Some of the areas include careers, plant physiology, plant anatomy, plant reproduction, greenhouse management, pest management, container plants, landscape design and construction, turf and grass management, vegetable production, small fruit production, large fruit production, and floral designs.

### Agribusiness Management

AGR N 401A&B (18201A001) G *Ag. Business Mgt\**

Length: 2 Semesters      Periods: 1

Grade: 11-12                  Prerequisites: Intro to  
Ag and 1 other Ag  
course, 2 years of math

Agribusiness Management is a course which focuses on the agriculture service industry, those businesses which supply goods and services to the production phase of agriculture. This course requires a great deal of math and reading. Topics covered may include agriculture history, agriculture's scope, new technology, business planning, business organization, cooperatives, financial and other types of recordkeeping, supply and demand, ag. finances, futures markets, marketing, financial analysis, and communications. This course will benefit students seeking future employment in the agriculture service industry or in any business management field. This course may count as the consumer business graduation requirement.

## **Agricultural Communications and Leadership**

AGR N 404 A& B (18203A002) G

Length: 2 Semesters      Periods: 1 Offered  
Even-Numbered Years  
Grade: 11-12              Prerequisite: Intro to Ag

This course is designed to provide students with the knowledge and leadership experiences to help them to become successful in life and in the workplace. Students will further enhance their potential for leadership development, personal growth, and career success. Students will analyze current agricultural issues and determine how they affect people on all sides of the issue. The students then learn and enhance their written and oral communication skills by presenting their views and opinions to the class. Students learn how to arrange and present debates, speeches, and interviews to be effective leaders in today's society. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

## **Agricultural Mechanics and Technology**

AGR N 203 A & B (18402A001) G *Ag Mech & Tech\**

Length: 2 semesters      Periods: 1  
Grade: 10-12              Prerequisite: Intro to Ag

This class is designed to educate the student about the equipment and facilities used in the agriculture industry. In this course, students will complete mechanical projects which relate to the different topics covered in the classroom. These areas may include safety, tool identification and use, power tools, project design, small engines, welding, oxy ace cutting and welding, concrete and masonry, ag construction, electricity, and surveying. This course requires good basic math and reading skills for many of the topics.

*\*Twin Rivers Course Name*

## **ART**

### **Introduction to Art**

ART N 1102 A&B (05154A000) G  
Length: 2 Semesters      Periods: 1  
Grade: 9-12              Prerequisite: None

This course is designed to give students a background in many areas of visual art, including design, drawing, painting, sculpture, ceramics, and art history. This course prepares students who may go on to take other art classes and gives a wide background to those who take only one art class. Students may take Introduction to Art at any time during their high school careers, but it is a prerequisite for all other art classes.

### **Two-Dimensional Art**

ART N 1401 A&B (05155A000) G  
Length: 2 Semesters      Periods: 1  
Grade: 10-12              Prerequisite: Intro to Art

In this course, students will create several types of two-dimensional art, including drawings, paintings, and prints using a variety of media including pencil, colored pencil, pastels, ink, watercolors, acrylics, oils and linoleum. While this is primarily a studio art class, students will also learn about several famous artists and their contributions to the history of art. Students may enroll in this course after passing Introduction to Art.

### **Three-Dimensional Art**

ART N 1402A&B (05158A000) G  
Length: 2 Semesters      Periods: 1  
Grade: 10- 12              Prerequisite: Intro to Art

In this course, students will learn techniques such as casting, construction, hand building, and wheel throwing used to create three dimensional sculptures and ceramics. They will use a variety of media including plaster bandages, plaster, plasticine, wire, and metal to create sculptures.

Students will use slab, coil, and modeling techniques to hand build a variety of pieces. They will also learn how to create cylinders, vases, bowls, and plates on the potter's wheel. Students will be introduced to a variety of glazes and glazing techniques and electric kiln firing, as well. In addition to producing works of art, students will learn about several famous artists and their contributions to the history of art.

### **Ceramics**

ART N 1102 (05159A000)

Length: 1 Semester      Periods: 1  
Grade: 11-12              Prerequisite: Intro to  
Art & 3-D Art

This course is an extension of the Three-Dimensional Art course for students who would like to learn more about Ceramics. Students will have the opportunity to work more independently on projects of their choice. While students will work exclusively with clay, they may choose to hand build, wheel throw, or both. While improving these skills, students will also gain a greater understanding of glazing and firing, to create the optimum results in their work. Students must pass Introduction to Art and Three-Dimensional Art before taking this course.

### **Painting**

ART N 202 (05157A000) G

Length: 1 Semester      Periods: 1  
Grade: 11-12              Prerequisite: Intro to  
Art & 2 D Art

This course builds on painting skills and techniques that students were introduced to in Two-Dimensional Art. After discussing ideas and techniques with the teacher, students work independently on paintings of their choice. They may use watercolors, watercolor pencils, acrylics, oils, and/or mixed media. Students must pass Introduction to Art and Two-Dimensional Art before taking this course.

### **Sculpture**

ART N 301 (05158A000) GF

Length: 1 Semester      Periods: 1  
Grade: 11-12              Prerequisite: Intro to  
Art & 3-D Art

This course, which is an extension of Three-Dimensional Art, introduces students to a variety of media used to create sculptures. Students will also learn how to create interesting three-dimensional compositions and how to expand their creativity based on their own ideas and interests. Various media will be used, including: wood, Plasticine, cardboard, wax, plaster, plastic, metal and found objects. Students will also explore the history of three-dimensional art and how art and society influence each other. Students must pass Introduction to Art and Three-Dimensional Art before taking this course.

### **Drawing**

ART N 304 (05156A000) G

Length: 1 Semester      Periods: 1  
Grade: 11-12              Prerequisite: Intro to  
Art & 2-D Art

This course expands student knowledge of various drawing media and techniques that were introduced in Two-Dimensional Art. Students will work independently, drawing the subjects of their choice. They will also have the opportunity to use a variety of media, including pencil, ink, colored pencil, chalk, and oil pastels. Students must pass Introduction to Art and Two-Dimensional Art before taking this course.

### **Advanced Art I**

ART N 401 (05197A000) G Weighted

Length: 1 Semester      Periods: 1  
Grade: 12                  Prerequisite: 6  
Semesters of Art, C  
or better in all  
previous art courses

Advanced Art I and II are the final classes in the art curriculum. In order to take these courses,

students must show a strong interest in art and be able to work independently. Students may explore a variety of media in drawing, painting, ceramics, sculpture, and graphic design. Through discussion with the teacher, students select most of their projects and work independently in the completion of those projects.

### **Advanced Art II**

ART N 402 (05197A000) G Weighted  
Length: 1 Semester      Periods: 1  
Grade: 12      Prerequisite:  
Advanced Art I,  
C or better in all  
previous art courses

Students enrolled in Advanced Art II work independently on projects of their choice. With guidance from the teacher, students concentrate on their area(s) of interest. They may choose to draw, paint, sculpt, work in clay, or work on the computer. Those students who are interested in studying art in college will develop a portfolio in preparation for college admission.

At many universities, two years in art classes take the place of a foreign language or vocational education requirement for college admission.

## **BUSINESS**

### **Accounting I**

BUS N 301 A&B (12104A001) G *Acct. I\**  
Length: 2 Semesters      Periods: 1  
Grade: 10-12      Prerequisite: None

Accounting I is a basic introduction to the study of accounting principles and practices using automated accounting. The complete accounting cycle covering analyzing transactions, journalizing, posting, petty cash, financial statements, and adjusting and closing entries will be studied. Computerized applications will also be incorporated. The general journal method is used.

### **Consumer Business**

BUSN 403 (19262A000) G  
Length: 1 Semester      Periods: 1  
Grade: 11-12      Prerequisite: None

Consumer Business teaches the student to make wise decisions in the use of personal and economic resources. Students will learn about making rational buying decisions, their rights and responsibilities, banking and investing, how to purchase insurance, how to set up a budget, and how to apply and interview for a job. This course satisfies the consumer education graduation requirement.

### **Documents and Records**

BUS N 150 (10010A000) G  
Length: 1 Semester      Periods: 1  
Grade: 9-12      Prerequisite: Passing  
grade in 8<sup>th</sup> grade math

Students will expand their knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in business. This course will explore a range of applications including (but not limited to) word processing and sheets in varying platforms.

### **Visual Presentations**

BUS N 175 (10049A000) G  
Length: 1 Semester      Periods: 1  
Grade: 9-12      Prerequisite: None

Students will expand their knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in business. This course will explore a range of applications including (but not limited to) slide presentations and infographics in varying platforms.

### **Banking & Finance**

BUS N 200 A&B (12101A001) G

Length: 1 semester

Periods: 1

Grade: 10-12

Prerequisite: None

Banking and Finance courses provide students with an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.

### **Creating Entrepreneurial Opportunities**

BUS N 501 A& B (12053A001)

Length: 2 Semesters

Periods: 2

Grade: 11-12

Prerequisite:

Required Accuplacer  
Scores, Application,  
Interview

CEO is a year-long course designed to utilize partnerships that provide an overview of business development and processes. Our local business community partners with area schools to create project-based experiences for students by providing funding, expertise, meeting space, business tours and one-on-one mentoring. Students visit area businesses, learn from guest speakers, participate in a class business, write business plans, and start and operate their own businesses. Business concepts learned through the experiential CEO class are critical; the 21<sup>st</sup> Century skills of problem-solving, teamwork, self-motivation, responsibility, higher-order thinking, communication and inquiry are at the heart of a student's development throughout the course. Students may earn the following college credits:

FALL

Business 1101 Intro to Business

Entrepreneurship 1210 Intro to Entrepreneurship

SPRING

Entrepreneurship 1298 Entrepreneur Topics &  
Issues

Entrepreneurship 2210 Business Portfolio

*\*Twin Rivers Course Name*

## **DRIVER ED/HEALTH/PE**

### **Driver Education**

DRE N 103 (08152A000) G

Length: 1 Semester

Periods: 1

Grade: 9-12

Prerequisite: Pass at  
least 8 classes during  
the previous 2 semesters

The driver education course will include the following: Detailed review of the Illinois Rules of the Road Handbook, detailed review of additional driver education and safety supplementary textbook and related resources, and detailed Illinois Driver's Permit Test preparation and examination completion. Classroom course completion requirements include a minimum 30 hours of Illinois Secretary of State mandated classroom seat time; preparation and successful completion of the Illinois Driver's Permit examination with passing designation; successful completion of all Driver Education supplementary classwork with a passing grade.

**NOTE:** "A" or "B" grade is required to qualify to attempt Cooperative Driver Testing Program road test with District 20/LHS Driver Education instructor.

**NOTE:** Successful completion of classroom Driver's Education portion will allow the student to progress to the Behind the Wheel portion of Driver's Education.

Behind the Wheel Course completion requirements include 6 hours of detailed Behind the Wheel instruction and CDTP Road Test preparation and Testing - ( if student has met the "A" or "B" requirement in the classroom portion).

**NOTE:** Chronic absence that results in students not completing the SOS mandated minimum 30 hours of classroom seat time will result in a

failing designation and require repeating the classroom portion. There is no “excused” designation for excessive absences.

*Driver Education does not count toward LHS District 20 Student GPA.*

**NOTE:** Students who live within the boundaries of CUSD 20 and are homeschooled may participate in Summer Drivers’ Education only.

### **Health**

HLT N 103 (08051A000) G

Length: 1 Semester      Periods: 1

Grade: 9-12              Prerequisite: None

The health class presents a variety of topics selected to assist high school students in their understanding of how to become and stay healthy. The class stresses healthy choices and decision-making. A few of the topics included are the latest information on diseases, nutrition, violence prevention, drugs, and alcoholism.

### **Physical Education**

PE N 101A&B (08001A000) G

Length: 2 Semesters      Periods: 1

Grade: 9-12              Prerequisite: None

Physical Education is an integral part of the school curriculum. Among the many benefits of the program to students are increased physical fitness, improved general health, and greater social and emotional development.

Psychomotor, cognitive, and affective development are objectives of the physical education curriculum. Physical education is required by the State of Illinois as part of the student’s daily schedule and is also a school graduation requirement unless exempt by law. Grades are based on participation and attitude, demonstration of skills, and performance on written tests. A physical education uniform is required.

## **ENGLISH**

### **English I**

ENG N 101 A&B (01001A000) G

Length: 2 Semesters      Periods: 1

Grade: 9                      Prerequisite: None

This course builds upon students’ prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and includes the four aspects of language use: reading, writing, speaking, and listening. This course introduces and defines various genres of literature, with writing exercises often linked to reading selections. (This class meets the computer literacy requirement of P.A. 101-3654.)

### **English II**

ENG N 201 A&B (01002A001) G

Length: 2 Semesters      Periods: 1

Grade: 10                      Prerequisite: English I may be taken concurrently

The English II curriculum focuses on composition, literature and vocabulary. Grammar and basic sentence structure will be emphasized in this course. Students will learn to construct various types of essays including writing research papers using MLA format. The literature covered is focused on world literature that encompasses both classic and contemporary authors. Journal writing is required. (This class meets the writing intensive requirement of P.A. 94-0676 and computer literacy requirement P.A. 101-0654.)

### **Enriched English II**

ENG N 205 A&B (01002A001) E

Length: 2 Semesters      Periods: 1

Grade: 10                      Prerequisite: A in English I or teacher Recommendation

The English II curriculum focuses on composition, literature and vocabulary. Grammar and basic sentence structure will be

emphasized in this course as students learn to construct various types of essays and journal responses. The literature focuses on both classic and contemporary authors as well as non-fiction reading to begin preparing for the SAT. (This class meets the writing intensive requirement of P.A. 94-0676 and computer literacy requirement P.A. 101-0654.)

**English III**

ENG N 301 A&B (01003A000) G

Length: 2 Semesters                      Periods: 1  
 Grade: 11                                      Prerequisite:  
    English II;  
    May be taken  
    concurrently with  
    Eng.I and/or II

The English III curriculum focuses on composition and American literature ranging from the pre-colonial to contemporary eras. Students will learn to construct various types of essays including a research paper in MLA format. Strong emphasis is placed on improving comprehension, vocabulary, and writing skills. (This class meets the writing intensive requirement of P.A. 94-0676 and computer literacy requirement P.A. 101-0654.)

**Enriched English III**

ENG N 305 A&B (01003A000) E Weighted

Length: 2 Semesters                      Periods: 1  
 Grade: 11                                      Prerequisite: B in  
    Enriched English II  
    or teacher rec.

Enriched English III Composition and Literature follows the Enriched English II curriculum. Students will read American literature from a wide variety of genres ranging from the pre-colonial to contemporary eras focusing on critical analysis of literary devices and themes, authorial intent, and historical context. The Enriched program seeks to provide a more in-depth study of the writing process

through a range of writing tasks. (This class meets the writing intensive requirement of PA 94-0676 and computer literacy requirement 101-0654.)

**English IV**

ENG 401 A&B (01004A000) G

Length: 2 Semesters                      Periods: 1  
 Grade: 12                                      Prerequisite: English  
    I,II,III may be taken  
    concurrently.

English IV is a culmination of the fundamentals of speech, creative writing, literature, and the components of Standard American English. Students will be expected to participate in public speaking (in the classroom), writing for both creative and technical purposes, and reading a variety of texts. (This class meets the writing intensive requirement of P.A. 94-0676 and computer literacy requirement 101-0654.)

**Enriched English IV**

ENG N 405A&B (01004A000) E Weighted

Length: 2 Semesters                      Periods: 1  
 Grade: 12                                      Prerequisite: B or  
    better in previous  
    English courses,  
    Speech (taken jr.  
    year or  
    concurrently 1<sup>st</sup>  
    senior semester  
    with minimum B)

Enriched English IV focuses extensively on the writing styles that will be required of college students and is designed for students who are college bound. Seniors will write the following types of essays: reflective, compare/contrast, cause/effect, persuasive, and problem/solution. Also covered is the development of the research paper, involving the use and analysis of various sources, the synthesis of information, and documentation. Grammar and writing effectively are also covered. (This class meets the writing intensive requirement of P.A. 94-676 and computer literacy requirement 101-0654.)

## ENGLISH ELECTIVES

### **Creative Writing**

ENG N 1506 (01104A000)

Length: 1 Semester      Periods: 1  
Grade: 11-12              Prerequisite: None

Through frequent writing exercises, this unconventional writing course will focus on creative expression and the craft of writing instead of solely concentrating on the technicalities of writing. Students will practice developing their unique writer's voice through characterization, dialogue, and narration in fiction and creative non-fiction. Writing is shared in a workshop atmosphere, critiqued, and discussed. Students will research contests and publishing opportunities and will compile a portfolio of original work by the end of the course.

### **Drama**

ENG N 1503 (05055A000)

Length: 1 Semester      Periods: 1  
Grade: 9-12              Prerequisite: None

This hands-on learning course introduces the basic principles of acting and character analysis. Through studying scripts, performing monologues, directing peers in a performance, and everyday improvisation activities, students will learn the fundamentals of voice and body control. Through cooperative learning and individual practice, students will gain poise and confidence as well as an appreciation for performing arts.

### **Emerging Media**

ENG N 1501 (11056A000) G

Length: 1 Semester      Periods: 1  
Grade: 9-12              Prerequisite: None

This course provides students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the

development of digitally generated and/or computer-enhanced media. Topics covered include social media, basic cinematography, advertising layout and design, and digital photography. (Enrollment limit of 15 students.)

### **Poetry**

ENG N 1500 (01061A000) G

Length: 1 Semester      Periods: 1  
Grade: 9-12              Prerequisite: None

In this course, students will explore poetic form by examining classical and contemporary poems, and writing original poems. Students will be expected to discuss and write analyses of assigned readings on a weekly basis. Students will prepare and share original poetry compositions on a weekly basis. Assessment will be based on weekly response writings, discussion, original poems, various projects, and a final poetry portfolio. No enrollment limit.

### **Speech**

ENG N 1504 (01152A000) G

Length: 1 Semester      Periods: 1  
Grade: 11-12              Prerequisite: None

The goal of the speech course is to enable the student to understand and apply speech principles. Students will learn how to plan, prepare, rehearse, and present several types of speeches, such as impromptu, informative, persuasive, demonstration, and debate. Students may take speech and English III or English IV concurrently. Effective 2021-2022 school year, speech will be a prerequisite for Enriched English IV (those taking Enriched English IV concurrently must take speech first semester and must earn a minimum of a B to remain in Enriched English IV second semester).

### **Themes in Literature**

ENG N 1503 (01053A000) G

Length: 1 Semester

Periods: 1

Grade: 9-12

Prerequisite: None

Throughout the course of this term, students will read selections representing a variety of genres and author backgrounds. The emphasis of this course will be on themes and how they are treated in each work. Sample themes that will be explored include the quest of a hero, identity, rules and order, and happiness and dissatisfaction. Thoughtful discussion is pertinent to this class. Students will research context and authors of literary works, critique style and delivery of the message, and reflect thoroughly on the works we examine.

### **Yearbook I**

ENG 1700 A&B (11104A000) G

Length: 2 semesters

Periods: 1

Grade: 9-12

Prerequisite: None

This class is designed to provide students with the journalism skills and the ability to apply those skills to the actual production of the *Lawrencean*, Lawrenceville High School's annual yearbook. The course will focus on the basics of journalism including writing, design, photography, sales, and ethical and legal issues that arise in publications. Grades will consist mainly of class projects, worksheets, quizzes, and participation. Students will be expected to set aside additional time (outside of class) to complete assignments, take pictures at school events, and interview students. All students enrolled in Yearbook I will be placed in the instructor's academic support.

### **Yearbook II**

ENG 1800 A&B (11104A001) G

Length: 2 semesters

Periods: 1

Grade: 10-12

Prerequisite: Journalism (SY 2023-24),  
Yearbook I

This class is designed to give students the experience of decision-making on yearbook production. Students will be assigned editorial

spots based on their performance in Yearbook I. Grades will be determined by tasks completed, quality of tasks, ad sales, layouts, weekly coverage, creative skills, leadership ability, and participation. Students will be expected to set aside additional time (outside of class) each week for coverage, interviews, and sales. Students must be very self-motivated and remain in contact with the instructor for feedback. All students enrolled in Yearbook II will also be placed in the instructor's academic support.

## **FAMILY & CONSUMER SCIENCE**

### **Orientation to Family & Consumer Sciences**

FCS N 101 A (19251A001) G *Intro.to Family  
Cons Sci Careers* \*

Length: 1 Semester

Periods: 1

Grade: 9-12

Prerequisite: None

Orientation to Family and Consumer Sciences introduces the students to the FACS spectrum and independent living skills. Included in the course are units on cleaning, organizing and home management, laundry and fabric care, basic cooking skills, kitchen math and measuring skills, personal nutrition, modern etiquette, basic hand sewing and cloth mending.

### **Adult Living**

FCS N 403 (19259A001) *Work & Family  
Relationships* \*

Length: 1 Semester

Periods: 1 (Odd-  
numbered years)

Grade: 11-12

Prerequisite:  
Orientation to Home Ec

Adult Living gives students the opportunity to develop skills necessary for life on their own after high school. Course curriculum includes units on career selection, securing a job, checking accounts, budgeting, family relationships, and self-care. This course fulfills the consumer business graduation requirement.

**Child Development**

FCS N 204 (19052A001) *Child Dev & Parenting\**

Length: 1 Semester      Periods: 1 (Even-numbered years)  
 Grade: 11-12              Prerequisite:  
    Orientation to Home Ec

Child Development introduces the student to an in-depth study of pregnancy, human growth and development with units covering preventing pregnancy, the science and development of fetus and mother during pregnancy variables in human development, newborn and infant feeding and care, and early childhood safety and care.

**Foods & Nutrition**

FCS N 201 (16054A001) *Nutrition & Culinary Arts I\**

Length: 2 Semesters      Periods: 1  
 Grade: 10-12              Prerequisite:  
    Orientation to Home Ec

Foods and Nutrition introduces the students to a more in-depth study of nutrition and the body. The course informs the students of elements of food choice and develops skills in food selection and preparation.

**Living Environments**

FCS N 303 (19263A000) *Home Environments & Design\**

Length: 1 Semester      Periods: 1 (Odd-numbered years)  
 Grade: 11-12              Prerequisite:  
    Orientation to Home Ec

Living Environments allows students the opportunity to explore the various facets of securing a home. Students study housing styles, design terminology, and consumer aspects of securing and maintaining a home.

**Parenting**

FCS 203 (19052A001) *Parenting\**

Length: 1 Semester      Periods: 1 (Even-numbered years)  
 Grade: 11-12              Prerequisite:  
    Orientation to Home Ec

The Parenting class is designed to familiarize students with the various aspects of parenting, including birth, child safety, nutrition, and child care. Students receive hands-on experience with “Real Care Infant Simulator”.

*\*Twin Rivers Course Name*

**Human Growth & Development**

FCS 500 N (19261A001) G

Length: 2 semesters      Periods: 1  
 Grade: 10-12              Prerequisite:  
    Orientation to FACS

This course focuses on the development and wellness of individuals and families throughout the life cycle. Topics include human development and wellness theories, principles, and practices; life cycle expectations and issues, including biological, physiological, social, and psychological needs and concerns of aging adults; community services, agencies, and resources; roles, responsibilities, and functions of families, family members and caregivers; family issues, including ethics, human worth and dignity, change, stress, neglect and abuse, and care of the care-giver; individual and family wellness planning; and fostering intergenerational relationships. Information on a variety of human and family services careers is incorporated throughout the course.

**Introduction to Teaching**

FCS 600 (19151A001) G

Length: 1 semester      Periods: 1  
 Grade: 11-12              Prerequisite: None

This introductory course explores the nature of professional teaching, its opportunities, and its responsibilities. This course also offers an overview of American education as both a professional and a public enterprise. Topics covered include history and philosophy of

education, school organization and governance, ethical and legal issues, the nature of teaching curriculum, and the examination of current issues, policies, and trends in the field of education. The course includes at least fifteen hours of observation in a K-12 classroom. *Dual Credit.*

### **Educational Psychology**

FCS 640 (19197A000) G

Length: 1 semester      Periods: 1  
Grade: 11-12          Prerequisite: Intro to Teaching or Psychology

Educational Psychology explores the intricacies of human learning and development within educational settings. This course delves into cognitive, behavioral, and social theories of learning, examining how these theories apply to classroom practice and educational research. Topics covered include discipline, parent-teacher relations, special education, standardized testing, guidance, and grading. *Dual Credit.*

### **The Whole Child**

FCS 620 (19154A002) G

Length: 1 semester      Periods: 1  
Grade: 11-12          Prerequisite: Introduction to Teaching or Intro to FACS

This course is designed to introduce students to the influences that development, past experience, prior knowledge, economic circumstances, and issues of diversity have on the learning process. Educational beginnings, curriculum trends, professional issues in teaching, characteristics of schools and other learning environments will be explored.

### **Preclinical Experiences in Education**

FCS 660 (19198A003) G

Length: 1 semester      Periods: 1  
Grade: 11-12          Prerequisite: Intro to Teaching, instructor rec.

This course consists of classwork and hands-on clinical experience. It is designed to give those students planning to pursue careers in education

the opportunity to observe and work alongside certified teachers. Students in this class will assist in teaching and the preparation of educational materials. *Dual Credit.*

## **FOREIGN LANGUAGE**

### **Spanish I**

SPA N 101 A&B (06101A000) G

Length: 2 Semesters      Periods: 1  
Grade: 9- 12              Prerequisite: C or better in English I

Spanish I is an introductory course to the Spanish language, customs, and civilization. This course will enable students to reach a measurable degree of proficiency in each of the four language skills: listening, speaking, reading, and writing. Grades are based on participation, reading, quizzes, chapter and unit tests

### **Spanish II**

SPA N 201 A&B (24053A000) G

Length: 2 Semesters      Periods: 1  
Grade: 10-12              Prerequisite: C or better in Spanish I

Spanish II is an intermediate course in the Spanish language, customs and civilization of the Spanish-speaking world. This is a more intensive study in the four language skills. Grades are based on participation, reading, quizzes, chapter and unit tests, vocabulary quizzes and tests.

### **Spanish III**

SPA N 301 A&B (24054A000) E Weighted

Length: 2 Semesters      Periods: 1  
Grade: 11-12              Prerequisite: C or better in Spanish II

Given the expectation of an advanced Spanish course, the student's prior grammar and language arts performance will be considered. Performance in core language arts has a direct correlation to potential for success in advanced

foreign language. Spanish 3 is a college/university prep level course as opposed to the introductory/intermediate focus of Spanish I and II. In addition, a Level 3 foreign language course brings in an independent study aspect. The student's ability to take initiative and work independently is not only an expectation, but a requirement. At this level as opposed to introductory/intermediate courses (Spanish I or II), it is assumed the student not only has the prerequisite language and grammar skills, but also the ability to complete assignments and projects independently with the instructor functioning as facilitator. In this situation, the student takes the primary responsibility for successfully completing the coursework. In addition, there are peripheral reading assignments and projects that require a strong grammar and language arts background and a strong skill set from the introductory and intermediate Spanish courses, making developed independent organizational skills mandatory. Past performance in any/all coursework is to be reviewed when considering enrollment in the course. If the student has an extensive record of late work or incomplete work, attendance and/or behavioral issues that indicate potential disruption to the class, this can and will be a consideration before they are allowed to enroll in the course. This is also paramount in that the individual student's past performance in these areas not only affects their potential for success but also the other students in the class as well.

#### **Spanish IV**

SPA N 301 A&B (24055A000) E Weighted  
 Length: 2 Semesters                      Periods: 1  
 Grade: 12                                      Prerequisite: C or  
    better in Spanish III

Given the expectation of an advanced Spanish course, the student's prior grammar and language arts performance will be considered. Performance in core language arts has a direct correlation to potential for success in advanced foreign language. Spanish III is a college/university prep level course as opposed

to the introductory/intermediate focus of Spanish I and II. In addition, a level 4 foreign language course brings in an independent study aspect. The student's ability to take initiative and work independently is not only an expectation, but a requirement. At this level as opposed to introductory/intermediate courses (Spanish I or II), it is assumed the student not only has the prerequisite language and grammar skills, but also the ability to complete assignments and projects independently with the instructor functioning as facilitator. In this situation, the student takes the primary responsibility for successfully completing the coursework. In addition, there are peripheral reading assignments and projects that require a strong grammar and language arts background and a strong skill set from the introductory and intermediate Spanish courses, making developed independent organizational skills mandatory. Past performance in any/all coursework is to be reviewed when considering enrollment in the course. If the student has an extensive record of late work or incomplete work, attendance and/or behavioral issues that indicate potential disruption to the class, this can and will be a consideration before they are allowed to enroll in the course. This is also paramount in that the individual student's past performance in these areas not only affects their potential for success but also the other students in the class as well.

*Foreign language may be required for admission to many four-year universities. Admission requirements for individual universities may be researched on college websites or through resources available in the guidance office.*

## HEALTH OCCUPATIONS

### Health Occupations I

HLT N 301 A&B (14002A002/14051A001) G

*Nursing Assistant I \**

Length: 2 Semesters

Grade: 11-12

Periods: 2

Prerequisite:

Interest in health  
as a career,  
application &  
interview

Health Occupations is designed to provide students with the opportunity to both become a certified nursing assistant (CNA) and explore the other career opportunities that healthcare has to offer. The CNA portion of class is regulated by the Illinois Department of Public Health (IDPH), which sets forth the standards for attendance and required curriculum. Students who fall below the attendance requirement will not be eligible to take the Illinois Nurse Aide Certification Exam (INACE) at the conclusion of the course, making attendance and punctuality crucial for success in this course. Students must maintain good academic standing to take the INACE, scoring no less than an 80% each semester. Clinical rotations are also required by IDPH, meaning students will be responsible for providing clinical uniforms (scrubs, shoes, watch, etc.), and will regularly be working in local healthcare facilities to care for elderly and to gain clinical skills, confidence, and experience. While completing the curriculum to become CNAs, students will have the opportunity to hear from other healthcare professionals and tour other healthcare facilities to broaden their knowledge of what career opportunities are available within the healthcare field.

*\*Twin Rivers Course Name*

## INDUSTRIAL ARTS

### Introduction to Industrial Arts

IND N 101 A&B (13303A000)

Length: 2 semesters      Periods: 1

Grade: 9 - 12              Prerequisite: None

This course introduces students to the tools and equipment that they may encounter in woodworking and metalworking and enables them to develop the skills they need to use these tools in various applications. Course topics typically include (but are not limited to) planning and design, materials properties and testing, and basic materials processing. These courses typically cover general safety and career exploration as well.

### Welding I

IND N 210 (13207A001) G

Length: 1 semester      Periods: 1

Grade: 11-12              Prerequisite:  
Intro to Industrial  
Arts or Intro to Ag

This course assists students in gaining the knowledge and developing the basic skills needed to be successful in welding technology. Units of instruction include arc, TIG and MIG welding, metallurgy, cutting metal using arc, plasma, and oxy-gas. In addition, students learn the basics of blueprint reading, precision measuring, layout, and production process planning.

### Welding II

IND 220 (13207A002) G

Length: 1 semester      Periods: 1

Grade: 11-12              Prerequisite: Welding I

This course builds on the skills and concepts introduced in Welding I and provides more in-depth skill development in various types of welding including horizontal, vertical, overhead, and circular techniques. Students also explore the use of robotic and automated production welding.

### **Beginning Construction**

IND 300 (17001A001) G

Length: 1 semester      Periods: 1  
Grade: 10-12              Prerequisite: None

This course is designed to foster an awareness and understanding of construction technology. Through a variety of learning activities, students are exposed to many career opportunities in the production field. Students will be exposed to product design, materials and processes, tools and equipment, procedures, site preparation, foundations, building structures, installing utilities, and finishing and servicing structures. (A shop safety test must be passed in order to earn shop privileges. Be advised: Misconduct in the shop can result in removal from the course.)

### **Beginning Automotive Services**

IND 350 A&B (20106A001) G

Length: 2 semesters      Periods: 1  
Grade: 10-12              Prerequisite:  
Introduction to  
Industrial Arts or  
Intro to Ag

The Beginning Automotive Service course emphasizes preventative auto maintenance and automobile troubleshooting. Course content typically includes tune-up, oil change, and lubrication skills; tire replacement, alignment, and balancing; and basic knowledge of brake, cooling, electrical, emission, fuel, ignition, steering, suspension, and transmission systems.

## **MATHEMATICS**

### **Mathematics I**

MTH N 1101 A&B (02062A000) G

Length: 2 Semesters      Periods: 1  
Grade: 9                      Prerequisite: None

Mathematics I focuses on mathematical concepts such as signed numbers, fractions, decimals, estimation, etc. This course also covers algebra concepts such as solving linear equations, graphing lines and writing linear equations. This course will also integrate geometry concepts such as triangle and parallel line

properties and proofs (This course meets P.A.94-0676(SB575) Geometry Concepts).

### **Mathematics II**

MTH N 1205 A&B (02063A000) G

Length: 2 Semesters      Periods: 1  
Grade: 10- 12              Prerequisite: Math I  
Mathematics II is the study of absolute value equations, rational exponents, quadratics, similar figures/dilation, volume, right triangles/trigonometry, probability, and circle geometry. The students learn to apply these concepts to real world situations. (This course meets P.A. 94-0676(SB575 Algebra I.)

### **Enriched Math II**

MTH N 1210 A&B (02063A000) E

Length: 2 Semesters      Periods: 1  
Grade: 10                      Prerequisite: B or  
better in Math I;  
Teacher Rec.

Enriched Mathematics II is the study of absolute value equations, rational exponents, quadratics, similar figures/dilation, volume, right triangles/trigonometry, probability, and circle geometry. The students learn to apply these concepts to real world situations. This class will work at a faster pace and may cover material more in depth. (This course meets P.A. 94-0676(SB575 Algebra I.)

### **Intermediate Math I**

MTH N 210 A&B (02054A000) G

Length: 2 semesters      Periods: 1  
Grade: 10- 12              Prerequisite: Math I and  
Teacher Rec.

This class is designed to serve as a bridge between Math I and Math II. This course covers algebra concepts such as solving linear equations and inequalities, graphing lines, writing linear equations, systems of linear equations and inequalities, distance, and midpoint. This course also covers exponent rules, radical rules, and introduces quadratics.

### **Intermediate Math II**

MTH N 310 A&B (02055A000) G

Length: 2 semesters      Periods:1  
Grade: 11-12              Prerequisite: Math II  
and Teacher Rec.

This class is designed to serve as a bridge between Math II and Advanced Math. Topics covered in this course include: properties and operations of whole numbers, integers, rational numbers and real numbers; operations with polynomials, including factoring; operations with algebraic fractions; exponents, roots, radicals and complex numbers; solving first-degree equations and inequalities; quadratic equations; functions; graphing; systems of equations and inequalities. This course meets P.A. 94-0676(SB575Algebra I.)

### **Math III**

MTH N 1204 A&B (02064A000) Weighted

Length: 2 Semesters      Periods: 1  
Grade: 10-12              Prerequisite: Math II  
or Enriched Math II

Advanced Math teaches 3-dimensional geometry, geometric proofs, sequences & series, logarithms and exponential functions, polynomial functions, rational and radical functions, basic statistics and trigonometry. The course also applies these topics to real-life situations and connects topics to other subjects.

### **Quantitative Literacy and Statistics Math**

MTH N 410 A&B (02201A0001) G

Length: 2 semesters      Periods: 1  
Grade:11-12              Prerequisite:  
Teacher Rec.

Math course framework 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. Course to be delivered through authentic application, problem-based instruction designed to build mathematical conceptual understanding and critical thinking skills.

### **Intermediate Algebra**

MTH 450 A&B (02138A000) G

Length: 2 semesters      Periods: 1  
Grade: 12                  Prerequisite:  
Math II

Intermediate Algebra strengthens the algebra skills necessary to be successful in college-level mathematics courses. Students will practice previously-learned algebra skills as well as adding to their mathematical skill set. Basic foundational algebra will be reviewed.

### **Probability & Statistics**

MTH 475 (02201A000) W

Length: 2 semesters      Periods: 1  
Grade 12:                  Prerequisite:  
Intermediate  
Math II or Math  
III

Probability and Statistics courses introduce the student of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics; discrete probability theory; odds and probabilities; probability trees; populations and samples; frequency tables; measures of central tendency; and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.



## SCIENCE

### Integrated Lab Science

SCI N 105 A&B (03201A000) G

Length: 2 Semesters      Periods: 1  
Grade: 9-12              Prerequisite: Teacher  
Rec., 8th Grade Science,  
HS Biology I Teacher

Integrated Lab Science provides an introduction to the major concepts in the sciences of chemistry physics, biology, astronomy, and geology. Students study several different branches within each field. They also study how each of these fields of science benefit mankind.

### Science Inquiry

SCI N 101 A&B (03204A000) G

Length: 2 Semesters      Periods:1  
Grade: 9-12              Prerequisite: None

This course emphasizes the process of science. Scientific process and experimentation will be emphasized. Students will develop their skills in developing hypotheses and experimental design. Data representation will be an emphasis as well. Students will create graphical representations of their data and articulate their underlying meaning. Scientific reading will also be emphasized.

### Biology I

SCI 201 A&B (03051A000) G

Length: 2 Semesters      Periods: 1  
Grade: 9-12              Prerequisite: Teacher  
Rec.

Biology I students explore biology as a science. Included are problem solving methods in biology, ecology, cell biology, genetics, biotechnology, classification and taxonomy, and a survey of the six kingdoms. Biology I is a graduation requirement.

### Chemistry I

SCI N 203 A&B (03101A000) G

Length: 2 Semesters      Periods: 1  
Grade: 10- 12              Prerequisite: C in  
Biology 1 and Math 1  
or Teacher Rec.

Chemistry I is the next class in the standard sequence after Biology I for most college-bound students and serves as a prerequisite for all of the advanced science courses. Chemistry I explores the basic interactions of matter, including the mathematical descriptions of these interactions. Topics include the atomic structure of matter, chemical bonding and chemical reactions, along with introduction to various lab techniques.

### DNA Decoded

SCI N 1507 A&B (03059A000) G

Length: 2 Semesters      Periods:1  
Grade: 9-12              Prerequisite: None

This course provides students with an understanding of general concepts concerning genes, heredity, and variation of organisms. Course topics typically include chromosomes, the structure of DNA and RNA molecules, and dominant and recessive inheritance and may also include lethal alleles, epistasis and hypostasis, and polygenic inheritance.

### Earth Science

SCI N 1504 A&B (03001A000) G

Length: 2 Semesters      Periods:1  
Grade:10-12              Prerequisite: Pass Bio I

This course offers insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, this course explores oceanography, geology, astronomy, meteorology, and geography.

## **Chemistry II**

SCI N 303 A&B (03102A000) E Weighted  
Length: 2 Semesters    Periods: 1  
Grade: 11-12            Prerequisite: Chemistry I

This course covers atomic structure including the development of the atomic model, the quantum mechanical nature of electrons, the corresponding structure of the periodic table, bonding and naming compounds, mole concept, chemical structures, kinetic theory of solids, liquids and gases, solutions, acids and bases, chemical kinetics, organic chemistry, redox reactions, and thermochemistry.

## **Chemistry III**

SCI N 406 A&B (03147A000) E Weighted  
Length: 2 Semesters    Periods: 1  
Grade: 12                Prerequisite: A in  
Chem II and/or Teacher  
Rec.

Chemistry III is offered only to very advanced students who have demonstrated a mastery of fundamental chemistry concepts. Class presumes that the student has mastered the skills of Chemistry I and Chemistry II. Class will be offered concurrent with another class that the instructor will be devoting most of the class time to. The instructor will offer guidance and feedback digitally and as much as possible during the other class. Students must be very self-motivated and remain in contact with the instructor for feedback via digital communications. Topics covered will include organic chemistry, advanced topics in equilibrium, redox reactions, kinetics and thermodynamics. Lab work will include qualitative and quantitative analysis.

## **Physics**

SCI N 403 A&B (03151A000) E Weighted  
Length: 2 Semesters    Periods: 1  
Grade: 12                Prerequisite:  
Advanced Math

Physics is a lab course that investigates topics such as motion, energy, forces, and light and sound waves. The course also explores the mathematical relationships between matter, energy, and motions.

## **Biology II**

SCI N 301 A&B (03052A000) E Weighted  
Length: 2 Semesters    Periods: 1  
Grade: 11-12            Prerequisite: Must pass  
both semesters of Bio I  
Chem I with min C

This is an advanced study course that covers biological systems in more detail. Topics included are bacteria, viruses, protist, fungi, plants, invertebrates, evolution, and Charles Darwin. Subtopics such as botany, zoology, genetics along with ecology and environmental problems such as overpopulation and pollution may be studied.

## **Anatomy and Physiology**

SCI N 401 A&B (03053A000) E Weighted  
Length: 2 Semesters    Periods: 1  
Grade: 11-12            Prerequisite: Must pass  
both semesters of Bio I  
Chem I with min C

Anatomy and Physiology uses the textbook Human Anatomy and Physiology to explore the various aspects of the human body. Students study tissues and all organ systems, partially supported by the dissection of a rat and other laboratory activities.

## SOCIAL STUDIES

### World History

SOC N 103 A&B (04052A000) G

Length: 2 Semesters      Periods: 1

Grade: 9-12              Prerequisite: None

Our world is an ever-changing platform where peoples, countries, and cultures constantly react with each other. World History explores the past centuries while keeping an eye on current events to understand the complexities of today. Geography plays an important role in the events of today. Natural resources, environmental concerns, and weather influence the way people live and work and how countries get along. World History, with its focus on people and developing systems of life, along with the interaction of geography, helps students understand the world as it is today. World History is a graduation requirement.

### United States History

SOC N 201 A&B (04101A000) G

Length: 2 Semesters      Periods: 1

Grade: 10-12              Prerequisite: None

United States History studies events from the American Revolutionary period through the present. Students will study the impact of historical events on people, as well as the impact people have had on historical events. The course focuses on primary general, historical concepts and applying them to specific historical content throughout the United States' history. Elements including political ideologies, socio political beliefs, and cultural practices are covered. The coursework not only covers United States history at large, but makes direct links to Illinois State history in relevant content and context. U.S. History is a graduation requirement.

### Civics

SOC N 301 (04160A000) G

Length: 1 Semester              Periods: 1

Grade: 11-12              Prerequisite: None

This course explores the basic structure of the American government—federal, state, and local. Students will discuss the constitutional and civil rights they possess as US citizens and will examine the roles and responsibilities of citizens and their government in the political process. Students are required to take and pass the Illinois and United States Constitution tests.

\*\* Transfer students who have passed the Constitution exams are exempt from this course requirement.

## SOCIAL STUDIES ELECTIVES

### World Geography

SOC N 1205 A&B (04001A000) G

Length: 2 Semesters              Periods: 1

Grade: 9-11              Prerequisite: None

This course explores the physical and human geography of the world's continents. Topics of study include the world regions, physical landscapes, climates, cultures, economies, political systems, map reading skills, and the impact of geography on human societies across the globe.

### Economics

SOC N 1403 A&B (04201A000) E Weighted

Length: 2 Semesters              Periods: 1

Grade: 11-12              Prerequisite: Min. B  
in World & U.S.  
History

This course focuses on the economy of the United States and how it affects its citizens and the world as a whole. This course utilizes class discussions, readings, graphs and charts, group projects, study guides, and writings. This class

satisfies the consumer education graduation requirement.

### **Psychology**

SOC N 402 (04254A000) G

Length: 1 Semester      Periods: 1  
Grade: 11-12              Prerequisite: Min. C  
in World & U.S.  
History

Psychology is the study of the behavior of the individual. Students learn the science of psychology, the biological basis of behavior, states of consciousness, lifespan development, learning, personality, and psychological disorders. Also included is the study of the different branches of psychology and the contributions of key people in psychology.

### **Sociology**

SOC N 401 (04258A000) G

Length: 1 Semester      Periods: 1  
Grade: 11-12              Prerequisite: Min. C  
in World & U.S.  
History

Sociology is the study of group behavior. Students compare the cultures and behavior of different societies around the world with our own culture and behavior. Students will explore our own culture and study the behavior of different groups within the United States.

### **Ancient Rome**

SOC N 1400 (04058A000) G

Length: 1 Semester      Periods: 1  
Grade: 11-12              Prerequisite: Min.C  
in World History

This course will explore the history and culture of ancient Rome. Topics of study include Rome's development from a republic to an empire, the division and collapse of its empire, and Roman influence on literature, art, engineering, language, religion, law, and government.

### **World War II**

SOC N 1450 (04109A000) G

Length: 1 Semester      Periods: 1  
Grade: 11-12              Prerequisite: Min. C in  
World & US History

This course examines the causes, events, and significance of the Second World War. Topics of study include reasons the war occurred, how it was fought, and its impact on the world today.

### **U.S. Presidents**

SOC N 1425 (04152A000) G

Length: 1 Semester      Periods: 1  
Grade: 11-12              Prerequisite: Min. C  
in US History

This course will explore the U.S. Presidency and American politics through the lives of some of the most important and consequential presidents in our history. Topics of study include the evolution of the presidency and the impact of presidents and events that contributed to the changes.

## **OTHER ELECTIVES**

### **Community Service/Career Exploration**

Elect N 1400 A&B (22151A001) G

Length: 1 or 2 Semesters      Periods: 1  
Grade: 11-12              Prerequisite:  
Application

The Community Service/ Career Exploration course provides students with work experience in a field related to their interests and/or an opportunity to volunteer in the community. Goals are typically set cooperatively by the student, teacher, and site supervisor. This course may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace or volunteer site. This course does not count in GPA calculation.

### **Cooperative Education CTE Course**

Elect N 100 A&B (22153A001) G

Length: 2 Semesters      Periods:1  
Grade: 11-12              Prerequisite: Intro CTE  
Class, Application, &  
Interview

Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. 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. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. 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. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations.

### **Self-Management & Career Exploration**

Elect N 500 A&B (22207A000) G

Length: 2 Semesters      Periods:1  
Grade:9-12                Prerequisite: None

This course introduces students to the skills and strategies helpful in becoming more focused, productive individuals. This course may emphasize goal-setting; decision-making;

managing time, energy, and stress; and identifying alternatives and coping strategies. Students will also explore various career opportunities.

### **STEP WORK I &II**

Elect N 300 A&B (22998A000) R

Length: 2 Semesters      Periods: 1 or 2  
Grade:11-12                Prerequisite:  
Individual  
Education Plan  
& Application

This Workplace Experience course provides students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

will be taught include: limits of drone use, airspace, weather, safety protocols, and mission planning. After successful completion of Unmanned Aerial Pilot I, students will be prepared to sit for the FAA 60 question

### **On -Line Dual Credit/Wabash Valley Community College**

Length: 1 Semester      Periods: 1  
Grade: 11-12                Prerequisite:  
Qualifying SAT,  
Accuplacer Score  
or EV Form

Lawrenceville High School will be offering online dual credit courses in conjunction with the Illinois Eastern Community Colleges. Students will be scheduled a block of time dedicated to work on the course. Students must meet required Accuplacer score requirements and prerequisites prior to enrollment. Students are responsible for obtaining the textbook and any other required materials prior to day one of the semester.

Students should contact the bookstore of the campus which offers the course to determine necessary supplies. Once a student enrolls in a class and maintains enrollment through the 10-day enrollment period, FCC will generate an invoice for the \$40 (per credit hour) Dual Credit Fee.

A list of courses is available in the guidance office

### **Firefighting Fundamentals**

Elect N 600 A&B (151152A001) G

Length: 2 semesters

Periods: 1

Grade: 11-12

Prerequisite:

Minimum 16  
years of age

This course is designed to provide students with the skills needed to prevent and extinguish fires, maintain and repair fire service-related equipment, provide basic emergency medical treatment, and prepare public service information concerning fires and hazardous materials. Instruction includes the physical characteristics of fire as well as general safety practices, basic fire behavior, and extinguishing principles. Students learn rescue and extrication procedures, types and use of ground ladders, proper ventilation techniques, and appropriate use of various water supply systems, and how to use ropes and tie knots. Students also learn basic emergency medical techniques and practices which include medical legal considerations, terminology, airway management, patient assessment and transportation, and emergency treatment. Students will complete the 40-Hour First Responder course.

### **Fire Science II**

Elect N 700 A&B (15152A002) G

Length: 2 semesters

Periods: 2

Grade: 12

Pre-requisite:  
Firefighting  
Fundamentals

This course builds on the concepts and skills introduced in Firefighting Fundamentals. Instruction is provided in the use of fire hoses, controlling property loss along with fire control

techniques, detection systems, and prevention practices. Instruction includes communication procedures, procedures for operating emergency vehicles, maintaining fire-related equipment and vehicles, and securing and protecting evidence. Students may learn procedures for treating poisonings and allergic reactions, environmental emergencies, and hazardous waste removal, as well as how to treat soft tissue, musculoskeletal, and head and spine injuries. *Dual Credit.*

### **Hazardous Materials**

Elect N 550 A&B (15101A001) G

Length: 2 semesters

Periods: 1

Grade: 11-12

Prerequisite: None

This course introduces students to the field of public safety and extends their knowledge and skills pertaining to safety in the workplace and the community. It was designed to provide hazardous awareness training in regards to notification procedures, local emergency response plans, hazardous material identification classes and their hazards. Topics include discussed will include related legislative requirements and industry standards, specific chemical and physical properties related to hazardous materials contents and containers, relevant physical and health hazards, as well as incident command and safety best-practices. *Dual Credit.*

### **Sports Officiating**

Elect N 1200 N (08019A000) G

Length: 2 semesters

Periods: 1

Grade: 10-12

Prerequisite:

Must be at least  
15 years old

Officiating courses provide students with the knowledge, skills, and abilities to serve as a referee, umpire, judge, or other official for a sports contest, emphasizing rule interpretation and the proper mechanics of officiating.

**School within School**

School within School (SWIS) is a credit recovery program that utilizes the Odyssey online curriculum. Students are referred to the program by the counseling office