

# ROCKFORD HIGH SCHOOL

## COURSE & CURRICULUM GUIDE 2025- 2026



Rockford Public Schools

Quality Community – Quality Schools  
*Together Building a Tradition of Excellence*

**ROCKFORD HIGH SCHOOL  
10-12 BUILDING  
4100 KROES ROAD NE  
ROCKFORD, MI, 49341  
(616) 863-6030**

**ROCKFORD HIGH SCHOOL  
FRESHMAN CENTER  
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ROCKFORD, MI, 49341  
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## IGNITE A PASSION; BUILD A FUTURE!

### News for 2025-2026

- New: Geometry in Construction p. 30
- New: CLEP Test Prep p. 55
- STEPS: No longer added for every junior. Juniors may choose to take STEPS.

### Zero-hour options if sufficient enrollment

- Advanced Conditioning
- US Government
- AP German



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## Academic Information

### GRADING SCALE AND CLASS RANK

#### Grading Scale and Class Rank:

A = 4.0	A- = 3.7	B+ = 3.3	B = 3.0	B- = 2.7	C+ = 2.3	C = 2.0	C- = 1.7
D+ = 1.3	D = 1.0	D- = 0.7	E = 0.0 with credit by exam	F = 0.0 with no credit			
I = Incomplete		CR = Credit not in GPA		NC = No Credit not in GPA.			

Weighted grades for Honors and AP Courses are used for GPA and class rank (A = 5.0, B = 4.0, etc.).

Class rank is calculated at the end of each trimester beginning with the end of the first trimester of junior year.

All grades for all classes for all students are used in calculating rank.

### FAMILY ACCESS

Family Access is a secure web application which allows a parent or guardian to view their student's personal information, class schedules, grades, attendance, discipline and busing. The information available may differ depending on whether your student is in the elementary or secondary level.

To obtain a Family Access ID and password, you must visit the main office of the school your student attends and provide a picture ID. An office staff member will activate your account and provide the information necessary to start using Family Access. If you find discrepancies in your student's information, please contact the school your student attends to correct that information.

### TESTING OUT

Students may attempt to "test out" of any course by earning a 78% or higher on the final comprehensive assessment for the given course. Students may sign up for testing out by completing the link included in course request information. Specific testing dates will be set up for the first week school is out in June.

## Rockford High School Graduation Requirements

Coursework Requirements	Credits	Qualifying Courses and Other Notes
Communications - R	0.5	<input type="checkbox"/> Choose from: Communications, Policy Debate, Theater, TV Studio 1, Yearbook for full year. AP Seminar will fulfill this requirement for all 10 <sup>th</sup> grade students.
English	4.0	<input type="checkbox"/> <input type="checkbox"/> Pre-AP English 1 <input type="checkbox"/> <input type="checkbox"/> AP Seminar <input type="checkbox"/> <input type="checkbox"/> English 11 or AP English Language & Composition <input type="checkbox"/> <input type="checkbox"/> English in 12 <sup>th</sup> - two options: <u>Option 1</u> - Senior Composition or Technical Writing PLUS one of: Contemporary Lit, Shakespeare, Psychology through Lit, Multicultural Lit, Sports Lit <u>Option 2</u> - AP English Literature & Composition
Mathematics	4.0	Must include: <input type="checkbox"/> <input type="checkbox"/> Algebra 1 <input type="checkbox"/> <input type="checkbox"/> Geometry <input type="checkbox"/> <input type="checkbox"/> Algebra 2 <input type="checkbox"/> Other Math <input type="checkbox"/> Math or Math-related in 12 <sup>th</sup> grade <ul style="list-style-type: none"> <li>• Credit for Algebra 1, Geometry, and Algebra 2 may be earned in middle school.</li> <li>• Math-related approved classes for 12th grade: Chemistry or Physics beyond the graduation requirements, Accounting, Business &amp; Personal Finance, Financial Management, and selected KCTC courses (see your counselor for details).</li> </ul> <u>Please note that “math-related” classes do not count as a math credit for college admissions.</u> <ul style="list-style-type: none"> <li>• Math in 12<sup>th</sup> grade may be a repeat of Algebra 2</li> </ul>
Physical Education	1.5 or 1.0	<input type="checkbox"/> Health <input type="checkbox"/> Phys Ed 9 or Strength and Conditioning <input type="checkbox"/> R - Additional 0.5 credit of Phys Ed – OR – <ul style="list-style-type: none"> <li>• Participation in Marching Band or an RHS-sanctioned sport or club for two seasons. Approved clubs are Dance and Equestrian.</li> <li>• A student may also apply for a waiver of this 0.5 credit for outside athletic activities; see your counselor for details.</li> </ul>
Science	3.0	<input type="checkbox"/> <input type="checkbox"/> Earth Science <input type="checkbox"/> <input type="checkbox"/> Biology <input type="checkbox"/> <input type="checkbox"/> Chemistry and/or Physics
Social Studies	3.0 or 3.5	<input type="checkbox"/> <input type="checkbox"/> World Studies <input type="checkbox"/> <input type="checkbox"/> American Studies or <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> AP US History <input type="checkbox"/> Economics <input type="checkbox"/> Government
World Language	2.0	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 2.0 cr. of same language. May be earned in grades K-8; see counselor for details.
Visual, Performing, or Applied Arts	1.0	<input type="checkbox"/> <input type="checkbox"/> Choose from: Art (all classes), Marketing Communications, Multimedia, TV Studio, Computer Science Principles (regular or AP), Communications (all classes), Writing for the Print Media, Yearbook, Creative Writing, Parenting Psychology, Clothing, Music (all classes), Tech Ed (all classes), qualifying KCTC programs (see your counselor for details).

### Other Requirements

Credits Earned - R	27.5	<input type="checkbox"/>
Online Experience		<input checked="" type="checkbox"/> Incorporated into RHS curriculum.
Competency Test - R		<input type="checkbox"/> Students must earn scores of 4 or higher on all three areas of the ACT WorkKeys test.
Junior Testing Requirement - R		<input type="checkbox"/> Good Faith Effort on junior year testing sequence.

R = Local RHS Graduation Requirement

A course may fulfill both a state and a local graduation requirement.

## Required Courses and Typical Sequences

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>English</b>	Pre-AP English 1	AP Seminar	English 11 or AP Eng Lang & Comp	Sr Comp + Lit or Tech Writ + Lit or AP Eng Lit & Comp
<b>Math</b>	Credits: 4.0. Must include Algebra 1, Geometry, Algebra 2, and Math or related in 12th			
<b>Phys Ed</b>	Health and Phys Ed 9 or Strength and Conditioning	Additional 0.5 credit PE or sport/band/waiver for outside activity		
<b>Science</b>	Earth Science or Honors Earth Sci	Biology or Honors Biology	Chemistry or Honors Chem or Physics or Honors Physics	Additional 1.0 credit recommended for many four-year universities
<b>Social Studies</b>	World Studies	American Studies or AP US History		US Government or AP US Government
		Economics in 10 <sup>th</sup> or 11 <sup>th</sup>		
<b>World Language</b>	World Language 1	World Language 2 (must be same language as WL 1)		
<b>Other</b>		Communications in 10 <sup>th</sup> , 11 <sup>th</sup> , or 12 <sup>th</sup> (one of: Communications, Policy Debate, Theater, or TV Studio)		
	Visual, Performing, or Applied Arts any grade 9-12 (Communications fulfills half of this)			

## Planning Grid

**10<sup>th</sup> Grade**


**11<sup>th</sup> Grade**


**12<sup>th</sup> Grade**


## Early College Opportunities

### Ferris State University Course Offerings:

ENGL 150 Concurrent Enrollment with RHS Senior Composition or RHS AP Language

LITR 150 Concurrent Enrollment with RHS AP Literature

CLOUD COMPUTING CO-HORT: CLOU 131, CLOU 180, ISIN 121, ISIN 209 p. 19

SPANISH MINOR CO-HORT: SPAN 323, SPAN 333 p. 54

### Grand Valley State University Offerings:

ALLIED HEALTH SCIENCE CO-HORT: AHS 100, AHS 110 p. 43

EDUCATION CO-HORT: EDF 115, HST 209 p. 46

**19 AP Course Offerings:** Students can earn college credit by taking the AP exam in May. Typically, a score of 3, 4, or 5 earns college credit.

US HISTORY

US GOVERNMENT

PSYCHOLOGY

ENGLISH LANGUAGE AND COMPOSITION

ENGLISH LITERATURE AND COMPOSITION

CALCULUS AB

CALCULUS BC

STATISTICS

ART

SEMINAR

BIOLOGY

CHEMISTRY

PHYSICS C

PHYSICS 1

SPANISH

GERMAN

COMPUTER SCIENCE PRINCIPLES

COMPUTER SCIENCE A

MACROECONOMICS

## Articulation of High School Classes for College Credit

### What is articulation?

Articulation is a process by which students may earn college credits for certain courses they take in high school. It provides an opportunity for high school and college courses to blend—granting equivalent college credit to students for achieving in identified courses at Rockford High School. These credits may only apply to the college granting the articulated credit.

### Program Benefits:

- Save money on tuition, fees, and books
- Reduce the time it takes to earn a degree
- Reduce student debt
- Accelerate academic progress
- Reduce duplication of courses at the college level
- Create the opportunity for expanded program content
- Earn college credits

### What courses can be articulated with post-secondary schools?

#### **Davenport University:**

Accounting A, B, C	Physiology I, II, III (regular or Honors)
American Studies A, B	Pre-Calculus A, B (regular or Honors)
Marketing Communications	Sociology
Business & Personal Finance	Spanish 2 A, B
Business Tech 1	Spanish 3 A, B
Economics	Spanish 4 A, B
French 2 A, B	Statistics
French 3 A, B	TV Studio 1
French 4 A, B	US Government
General Psychology	World Studies A, B
German 1 A, B	Biology A, B (regular or Honors) <u>and</u> Chemistry A, B Regular or Honors)
German 2 A, B	New Product Development <u>and</u> Entrepreneurship <u>and</u> Business Management
German 3 A, B	

#### **CMU & GVSU**

TV Studio 1, 2, 3 (individual assessment)

#### **Ferris State University**

Accounting A, B, C and Financial Management = 3 Elective Credits  
New Product Development, Entrepreneurship, Business Management and Business & Personal Finance = 3 Elective Credits

#### **Baker College**

Accounting A, B, C  
Business Tech 1  
Business Management

### What grade does a student have to have in a class at RHS to articulate that class?

Davenport University, Ferris State University, and GRCC require a 3.0 (B or better) to articulate a class.

### What is the process for applying for articulation?

Student must be enrolled and attending the postsecondary school, then contact their counselor to complete an Articulation Application.

Another option: Seniors may take the NOCTI test in Accounting C and Business III; a score of 70% or better will allow students to earn credit at certain colleges. See this website: <http://www.nocti.org/nccrs.cfm>



## NCAA Division I & II Athletics

To be eligible to play sports at an NCAA Division I or II school in the first year of college, a student-athlete must:

- Meet requirements for earning credit in core academic courses, a minimum GPA in those core courses, and a minimum ACT or SAT score
- Graduate high school
- Register with the NCAA Eligibility Center (fee, with fee waivers possible if you received a fee waiver for ACT or SAT testing)

For detailed information, visit <https://web3.ncaa.org/ecwr3/> or the RHS Guidance Office.

### Notes

- Please make sure, beginning in 9<sup>th</sup> grade, that you are taking core courses which count toward NCAA eligibility.
- Test score rule: test scores must be reported to the eligibility center directly from ACT or SAT.
- The NCAA Clearinghouse DOES accept ACT/SAT scores from the ACT or SAT test which accompanies the Michigan M-STEP Exam, taken by Michigan 11<sup>th</sup> graders in March.

### NCAA Approved Courses

ENGLISH	SOCIAL SCIENCE (SOCIAL STUDIES)	MATHEMATICS
AP English Language & Composition AP English Literature & Composition Contemporary Literature Creative Writing English 10 (Reg, Hon, RR, TT) English 11 (Reg, Hon, RR, TT) English 9 (Reg, Hon, RR, TT) Multicultural Literature Mythology Policy Debate/Adv Policy Debate Psychology through Literature Senior Composition (including FSU) Shakespeare Speech 1  Sports Literature	American Studies AP European History AP US Government AP US History Economics General Psychology Michigan History National & Global Issues Sociology US Government World Conflicts: Korea-Vietnam World Conflicts: World War II World Studies/SI World Studies AP Psychology AP Macroeconomics	Algebra 1 (Reg, RR, Flipped) Algebra 2 (Reg, Hon, RR, Flipped) Algebra 2 Essentials A, B, C, D AP Calculus AB AP Calculus BC AP Statistics Calculus 3 Calculus 4 Geometry (Reg, Hon, Flipped) Intro to Calculus Pre-Calculus (Reg, Hon) Statistics Statistical Reasoning in Sports Algebra 3  Algebra 2 Essentials A, B, C Intro to Trigonometry
NATURAL/PHYSICAL SCIENCE	ADDITIONAL CORE COURSES	Abbreviations:
AP Biology AP Chemistry AP Physics C Biology (Reg, Hon) Chemistry (Reg, Hon, Concepts) Earth Science (Reg, Hon, B, TT) Environment Physics (Reg, Hon, Concepts) Physiology (Reg, Hon) – 0.34 cr. per tri Astronomy Basics of Forensic Science	Chinese 1, 2, 3, 4 French 1, 2, 3, 4 German 1, 2, 3, AP Japanese 1, 2, 3, 4 Spanish 1, 2, 3, 4, AP History of World Religions	B = for students with IEP Hon = Honors Reg = Regular RR = Resource Room for students with IEP TT = team-taught

## NAIA Athletics

To be eligible to play sports at an NAIA school in the first year of college, a student-athlete must:

- Graduate high school
- Meet two of the following three requirements
  - A minimum composite score of 16 on the ACT test, or a sum of 860 on the SAT Reading and Math tests
  - A minimum high school GPA of 2.0 on the high school's grading scale
  - Graduate in the top half of the high school class
- Register with the NAIA Eligibility Center (fee, with fee waivers possible if you received a fee waiver for ACT or SAT testing)

For detailed information, visit [WWW.PLAYNAIA.ORG](http://WWW.PLAYNAIA.ORG) or the RHS Guidance Office.

NAIA Colleges in Michigan:

- Aquinas College, Grand Rapids, MI
- Cleary University, Howell, MI
- Concordia University, Ann Arbor, MI
- Cornerstone University, Grand Rapids, MI
- Lawrence Technological University
- Madonna University, Livonia, MI
- Rochester College, Rochester, MI
- Siena Heights University, Adrian, MI
- Spring Arbor University, Spring Arbor, MI
- University of Michigan-Dearborn, Dearborn, MI

# **COURSE DESCRIPTIONS**

## **BY DEPARTMENT**



## ART DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
INTRO TO ART	90015 0005	9 10-12	VPAA
DRAWING	90035 0035	9 10-12	VPAA
FIBER ARTS	90096	9-12	VPAA
PAINTING	0045	9-12	VPAA
CERAMICS 1	0055	10-12	VPAA
CERAMICS 2	0056	10-12	VPAA
METAL SMITHING & JEWELRY	0065	10-12	VPAA
METAL SMITHING & JEWELRY 2	0066	10-12	VPAA
2D ADVANCED ART	0075	10-12	VPAA
3D ADVANCED ART	0076	11-12	VPAA
AP STUDIO ART	0081/0082/0083	12	VPAA
ART LEADERS	0095	11-12	VPAA

### **INTRO TO ART (90015 grade 9; 0005 grades 10-12)**

**1 Trimester**

**Grades 9-12**

This course will introduce you to the basics of art through the use of a variety of media (graphite, paint, clay, etc.). Unit projects and accompanying activities/exercises will not only grow your understanding of design elements and principles, but further develop creative and innovative thinking, strengthen both visual and verbal communication skills, and foster collaboration with fellow peers. Written components and critiques accompany the projects.

### **DRAWING (90035 grade 9; 0035 grades 10-12)**

**1 Trimester**

**Grades 9-12**

- **Prerequisite: Intro to Art**

This course will introduce students to a variety of basic drawing concepts, such as perspective drawing and figure drawing, with an emphasis on observational drawing practice. Some possible art mediums used are graphite, black and white charcoal, pastels, pen and ink, and colored pencils. Students will have the opportunity to build their drawing skills while also exploring relevant themes to expand their understanding of the world around them through art. Written components and critiques may accompany the projects. A final exam project will be assigned.

### **FIBER ARTS (90045)**

**1 Trimester**

**Grade 9-12**

- **Prerequisite: Intro to Art**

Students will use fiber and textile media and techniques to create two and three dimensional artworks. Fiber and textile processes may include weaving, felting, papermaking, crochet and mixed media.

### **PAINTING (90045 grade 9; 0045 grades 10-12)**

**1 Trimester**

**Grades 9-12**

- **Prerequisite: Intro to Art**

This course will introduce students to a variety of painting mediums, such as acrylic, watercolor, and mixed media. Theme-based unit projects will be paired with exercises to help students build their understanding of painting techniques. Written components and critiques may accompany the projects. A final exam project will be assigned.

### **CERAMICS 1 (0055)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: Intro to Art**

This course will introduce the basics of working with low fire red and white clay. Various forming methods will be explored. Emphasis will be on hand building techniques such as pinch, coil and slab constructions. Students will learn an array of glazing techniques and also have a greater understanding of firing processes. Unit projects will include project planning, written components and artwork documentation. A final project will be assigned as the exam.

**CERAMICS 2 (0056)****1 Trimester****Grades 10-12**

- **Prerequisite: Ceramics 1**

This course will build upon the information and knowledge gained in Ceramics 1. Students will continue exploring various hand building techniques on a larger scale. Students will also be introduced to wheel throwing. Advanced finishing techniques include new glazing methods and expanded media additions. Unit projects will include project planning, written components and artwork documentation. A final project will be assigned as the exam.

**METAL SMITHING & JEWELRY (0065)****1 Trimester****Grades 10-12**

- **Prerequisite: Intro to Art**

This course will introduce students to the metalsmithing lab and the fundamentals of jewelry design through the use of a variety of processes (drilling, sawing, filing, cold connections, soldering, and pewter casting). Unit projects will include safety quizzes, some material practice, and project planning. Written components and artwork documentation will accompany each project submission. A final reflection project will be assigned as the exam. No knowledge of metal fabrication or workshop experience is needed!

**METAL SMITHING & JEWELRY 2 (0066)****1 Trimester****Grades 10-12**

- **Prerequisite: Metal Smithing & Jewelry 1**

This course will build upon the information learned in Metalsmithing & Jewelry 1. Students will gain experience with advanced techniques, such as making chainlinks/chainmail, ring fabrication, soldering, and bezel setting. Basic materials are supplied, and students may choose to purchase specialty materials, such as sterling silver. Written components and artwork documentation will accompany each unit project submission. Following this course, students will have a better understanding of what it means to be a working metalsmith artist. A final reflection project will be assigned as the exam.

**2D ADVANCED ART (0075)****1 Trimester****Grades 10-12**

- **Prerequisites: Intro to Art, plus Painting or Drawing**

This studio course is an extension of the techniques learned in Drawing and/or Painting classes. Students will advance their techniques and understanding of 2-D creation while using both painting and drawing media. Guest artists will be included when possible. The final will be project-based.

**3D ADVANCED ART (0076)****1 Trimester****Grades 11-12**

- **Prerequisites: Metalsmithing & Jewelry 1 and Ceramics 1 (Textile and Fiber Arts recommended)**

Students will use a variety of sculpture media to create three-dimensional artworks. Sculptural techniques may include: subtractive carving, building with armature, creating structures and assemblage. Unit projects will include project planning, written components and artwork documentation. A final project will be assigned as the exam.

**ADVANCED PLACEMENT STUDIO ART (0081/0082/0083)****3 Trimesters****Grade 12**

- **Prerequisite: 2D Advanced Art for 2-D Portfolio OR 3D Advanced Art for 3-D Portfolio**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

Students will prepare a personal 2-D or 3-D art portfolio with a theme of their choice. Students should have the ability to (1) conduct a sustained investigation through practice, experimentation, and revision, guided by inquiry; (2) skillfully synthesize materials, processes, and ideas; and (3) articulate, in concise writing, information about one's work. Students will submit around 10-15 works of art in a variety of media, techniques, and subject matter. Students will receive a weighted grade. Students interested in taking the test to earn possible college credit will submit visual and written evidence of their projects in their digital portfolios to AP Central. This class will include field trips to museums and art galleries. Students will update and reflect on their digital portfolios for each exam.

# ART

## **ART LEADERS (0095)**

**1 Trimester**

**Grades 11-12**

- **Prerequisite: Recommendation required from special education case manager or Art teacher**

This is a partnership-style art class. Mainstream students and special education students will work together in a collaborative manner. The course is designed to help strengthen fine motor skills, artistic abilities and problem solving through the use of various art materials. Some of the art materials that will be used are: colored pencils, markers, oil pastels, paint, clay, construction paper, etc. Grading will include: engagement with peers, participation, projects, and written evaluations.

# BUSINESS

## BUSINESS DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
BUSINESS TECH 1	5515	10-12	
ACCOUNTING	5531/5532/5533	11-12	Math-Related
FINANCIAL MANAGEMENT	5545	11-12	Math-Related
BUSINESS & PERSONAL FINANCE	5555	12	Math-Related
NEW PRODUCT DEVELOPMENT & PROMOTION	5611	10-12	
ENTREPRENEURSHIP	5612	10-12	
BUSINESS MANAGEMENT	5613	10-12	
MARKETING COMMUNICATIONS 1	5621	10-12	VPAA
BUSINESS & PRACTICAL LAW I	5635	10-12	
SPORTS & ENTERTAINMENT MARKETING	5645	10-12	
GRAPHIC DESIGN 1	5701	10-12	VPAA
GRAPHIC DESIGN 2	5702	10-12	VPAA
GRAPHIC DESIGN 3	5703	11-12	VPAA
GRAPHIC DESIGN LEADERS	5711	10-12	VPAA
GRAPHIC PRODUCTIONS	5715	10-12	VPAA
TV STUDIO 1	5735	10-12	Communications & VPAA
TV STUDIO 2	5736	11-12	
TV STUDIO 3	5737	11-12	
INTRODUCTION TO PROGRAMMING	5745	9-12	VPAA
3D VIDEO GAME DEVELOPMENT	5746	9-12	
ADVANCED GAME DEVELOPMENT	5748	10-12	
AP COMPUTER SCIENCE PRINCIPLES	5751/5752/5753	10-12	VPAA
AP COMPUTER SCIENCE A	5771/5772/5773	11-12	
FSU CLOUD COMPUTING CO-HORT COURSES	Application is required	11-12	

### **BUSINESS TECH 1 (5515)**

**1 Trimester**

**Grades 10-12**

This business class is designed to provide students with hands-on experience using computers and computer software programs. Students begin with the fundamentals of keyboarding and learn to prepare a variety of business documents using Word.

### **ACCOUNTING A/B/C (5531/5532/5533)**

**3 Trimesters**

**Grades 11-12**

Accounting is an excellent course for any student wishing to pursue a career in business. Every business degree will require at least one accounting course, and college-level accounting can be very challenging for those who didn't take it in high school. Accounting also provides entry-level skills for those students wishing to enter the workforce directly from high school. This class provides an overview of manual accounting systems for sole proprietorships and corporations, as well as PeachTree and QuickBooks computerized accounting. Field trips, guest speakers, and videos help students explore the many careers in the field of accounting. This course articulates to Baker College, Davenport University, Ferris State University, and Grand Rapids Community College and counts as a 4<sup>th</sup> year math-related credit.

# BUSINESS

## **FINANCIAL MANAGEMENT (5545)**

**1 Trimester**

**Grades 11-12**

Financial Management teaches students the math principles behind basic personal finance. Topics that will be covered are calculating gross and net income, banking records, checking and savings accounts, compound interest, and budgeting. As a final project, students will learn how to build a budget for when they are financially independent. This class counts as a 4<sup>th</sup> year math-related credit. This course articulates to Ferris State University

## **BUSINESS & PERSONAL FINANCE (5555)**

**1 Trimester**

**Grade 12**

Rockford High School/Rockford Public Schools highly recommends that all seniors take Business & Personal Finance. Students taking Business & Personal Finance will learn how to manage their own finances and will study many of the services offered by the financial industry and relate them to individual situations. Students will learn how to manage a checking account, make decisions regarding credit, and study the many different ways to invest money. Students will learn about life insurance, risk management, and taxes. Each student will also participate in an online stock market simulation. This class counts as a 4<sup>th</sup> year math-related credit. RHS/RPS believe this course will benefit students of all ability levels. However, if a parent chooses to not have their student take this class, we will certainly honor this request. The parent should contact their student's counselor to opt out. This course articulates to Ferris State University.

## **NEW PRODUCT DEVELOPMENT & PROMOTION (5611)**

**1 Trimester**

**Grades 10-12**

This course focuses on new product development and is offered in conjunction with the operation of the school store and cafe, The Ram Shack and The Ram Café. Students experience first-hand the process of product development while working with local suppliers to develop and promote products to be sold in the school stores. Field trips, guest speakers, and videos help students explore the many career options in business. Leadership skills are developed as students have the opportunity to manage the school store. Students in all hours have the opportunity to participate in making decisions regarding the Ram Café and Ram Shack, as well as having the opportunity to develop products, offer input, and help make managerial decisions regarding both stores' operations. With parent permission, students may occasionally leave campus to complete assignments for this course. This class articulates to Davenport University and Ferris State University.

## **ENTREPRENEURSHIP (5612)**

**1 Trimester**

**Grades 10-12**

This course focuses on developing a business plan for a new business in West Michigan and is offered in conjunction with the operation of the school stores, The Ram Shack and The Ram Café. Students continue to master Microsoft Office as they complete the various assignments, which include developing a new business idea, researching the feasibility of the business, researching the competition for that business, developing a budget for the business, as well as developing a promotional campaign for the business. Field trips, guest speakers, and videos help students explore the many career options in business. Students also have the opportunity to develop leadership skills as they organize and manage a major community service event, Rockford Holiday Baskets. This community service project requires student interaction with the business community and staff and students of Rockford Public Schools. More leadership skills are developed as students have the opportunity to manage the school store. Students in all hours have the opportunity to participate in making decisions regarding the Ram Café and Ram Shack, as well as having the opportunity to develop products, offer input, and help make managerial decisions regarding both stores' operations. With parent permission, students may occasionally leave campus to complete assignments for this course. This course articulates to Grand Rapids Community College, Davenport University, and Ferris State University.

## **BUSINESS MANAGEMENT (5613)**

**1 Trimester**

**Grades 10-12**

This course focuses on several aspects of managing a business and is offered in conjunction with operation of the school store, The Ram Shack. Students continue to master Microsoft Office as they complete the various assignments, which include human resources management, money management, investment management and the stock market, banking, and budgeting. Field trips, guest speakers, and videos help students explore the many career options in business. Students also have the opportunity to develop leadership skills as they organize and manage a major community service event. This community service event requires student interaction with the business community and staff and students of Rockford Public Schools. More leadership skills are developed as students have the opportunity to manage the school store. Students in all hours have the opportunity to participate in making decisions regarding the Ram Café and Ram Shack and have the opportunity to develop products, offer input, and help make managerial decisions regarding both stores' operations. With parent permission, students may occasionally leave campus to complete assignments for this course. Business III articulates to Baker College, Davenport University, and Ferris State University.



# BUSINESS

## **MARKETING COMMUNICATIONS 1 (5621)**

**1 Trimester**

**Grades 10-12**

This class explores the exciting world of marketing, advertising, promotions, visual merchandising, and e-commerce. Students will be engaged in e-commerce/on-line sales, product development, pricing, placement, distribution, and overall management of the school spirit store operations. Learners will explore concepts in marketing ethics, social responsibility, production presentation, advertising, sales promotion, personal selling, product distribution, branding, inventory management, store layout, and product trends. These topics are explored while running the Ram Shack (school store). Students will work in a group setting to manage and promote the store. This class articulates with Davenport University.

## **BUSINESS & PRACTICAL LAW I (5635)**

**1 Trimester**

**Grades 10-12**

This is a class in business and personal law that addresses legal rights and responsibilities. Students are introduced to criminal and civil proceedings through the study of laws, court systems, and the jury process. They learn the definitions of crimes and their punishments, and torts and their remedies in conjunction with current events and issues. Emphasis is placed upon civil and criminal trials regarding both tort and criminal law through the use of mock trials.

## **SPORTS & ENTERTAINMENT MARKETING (5645)**

**1 Trimester**

**Grades 10-12**

Are you interested in a career in the field of sports, entertainment, marketing, or recreation? Sports and Entertainment Marketing is designed to introduce the student to one of the fastest growing industries in the world. Students will study the basic marketing concepts with applications to various entertainment organizations both locally and nationally. This class will give you hands-on experience as you research, create, price, and develop promotions for various events at the high school. Students will gain valuable experience from many speakers around the area who are working in this growing field. This course will include diverse aspects of this billion-dollar industry through concepts of sports management, legal issues, public relations, promotion, product marketing and recreation.

## **GRAPHIC DESIGN 1 (5701)**

**1 Trimester**

**Grades 10-12**

May be taken only once. This course fulfills the VPAA requirement for graduation.

Graphic Design One is a fun elective course which focuses on learning Adobe Photoshop, Illustrator and Bridge. This class will cover topics such as Logo Design, T-shirt Design, retouching photos, and typography. Students will learn how to set up design files according to printing standards and create professional-looking material. Students will have the opportunity to work with professional digital cameras and apply photoshopping techniques to personal images.

## **GRAPHIC DESIGN 2 (5702)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: Graphic Design 1. Teacher approval required.**

May be taken only once. This course fulfills the VPAA requirement for graduation.

Graphic Design Two is a fun elective that extends your knowledge in Adobe Photoshop, Illustrator, InDesign, and Bridge, focusing on the elements of design and how they all work together to create an effective design. Students will have the opportunity to work with local businesses and learn how to work in a designer/client relationship while creating professional material for them. A full unit of Digital Photography will cover manual settings, lighting, and posing to utilize the importance of photography within Graphic Design.

## **GRAPHIC DESIGN 3 (5703)**

**1 Trimester**

**Grades 11-12**

- **Pre-requisites: Graphic Design 1 & 2. Teacher approval required.**
- **May take as many times as teacher allows.**

Students will be admitted into this advanced class based on work ethic, desire to learn and integrity. Utilizing skills that were learned in Graphic Design I & II, students will deepen their knowledge and understanding of the professional software that would prepare them for a potential career in the industry. Students will have the privilege to work with local businesses to understand the demands of real life designer/client relationships. Students will focus on designing pieces that will help them build a portfolio showcasing their varying skills and abilities.

## **GRAPHIC DESIGN LEADERS (5711)**

**1 Trimester**

**Grades 10-12**

This class will be a partnership-style class including supported instruction for Apple Computers, Adobe Photoshop, and Digital Cameras. As a class, we will be learning the basics of Photoshop so we can design posters, tickets, and programs for the early spring play. New students will learn Photoshop basics, use the Wacom tablet for digital painting and go on a photo shoot.

# BUSINESS

## **GRAPHIC PRODUCTIONS (5715)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: Graphic Design 1. Application required.**

Graphic Productions is designed to replicate a real-world printing business. In this class you will be part of a team that models a modern-day work environment with the opportunity to collaborate, learn technical skills, and build workforce skills. As a team, you will be divided into departments. Departments will consist of a marketing team, design team, production team, financial team, and managerial team. We will be a printing production company that will learn how to use a Direct to Garment printer to print and sell shirts and sweatshirts to our customers. This opportunity will give you real world experience that will be a great addition to your resumé and exposure to potential career paths.

## **TV STUDIO 1 – BEGINNING (5735)**

**1 Trimester**

**Grades 10-12**

- **Application required.** This course fulfills the Communications and VPAA requirement for graduation.

TV Studio 1 is a fun elective course which covers a wide range of topics. This class will briefly explore public speaking and allow students to get in front of their peers in the form of both informal and formal speeches. Students will learn how to operate professional digital video cameras—discussing everything from operations to camera shots, angles, and movements. Additionally, students will work with basic music and graphic software programs. Students will also learn to edit their videos using professional industry-standard software. Between many lessons and a lot of hands-on work, students will work in groups to use these skills to create projects that demonstrate the knowledge they obtain. This course articulates to Central Michigan University, Davenport University, and Grand Valley State University.

## **TV STUDIO 2 - INTERMEDIATE (5736)**

**1 Trimester**

**Grades 11-12**

- **Teacher permission is required**

Permission is based on the student's performance, work ethic, trustworthiness, attitude, and grade of B or better in TV Studio 1. Permission is at the discretion of the instructor and video technician. This course works on reviewing and refining the skills learned in the beginning course. From there, students get right to hands-on work. Students create projects for contests such as Public Service Announcements as well as a multitude of in-class projects. Students are introduced to working on stories for the school news each week. They will finish the trimester with an exam revolving around the creation of a music video. The course is a mix of learning new and more advanced concepts, and spending a lot of time applying that knowledge in more in-depth and fun projects. This course articulates to Central Michigan University and Grand Valley State University.

## **TV STUDIO 3 – ADVANCED (5737)**

**1 Trimester**

**Grades 11-12**

- **Teacher permission is required**

Permission for TV Studio 3 is reserved only for those who have a strong character of integrity and trustworthiness coupled with a very hard-working, team-minded attitude. It is necessary that students who are selected for this advanced course are assertive and are able to be self-motivated and responsible. This class feels like a mix between an academic course and a part-time job in which the team becomes like family. Students in this class run and manage the school news program, cover sporting events for the MHSAA website, assist with the RCTV local cable station, and also compete in many competitions—including the Michigan Association of Broadcasters state competition. Students will also explore more challenging and larger video projects such as mini-documentaries. This fun and challenging course will prepare students interested in pursuing a career in the video field. This course articulates to Central Michigan University and Grand Valley State University. This course may be repeated.

## **INTRODUCTION TO PROGRAMMING (5745)**

**1 Trimester**

**Grades 9-12**

This course fulfills the VPAA requirement for graduation.

This course uses the C# programming language to learn the basics of developing computer applications. At the end of this course, students will be able to write programs that use user input to interact with their applications and decide what happens next. Students will show their proficiency with these topics by making two projects during the semester, a Code.org project and a text-based adventure.

## **3D VIDEO GAME DEVELOPMENT (5746)**

**1 Trimester**

**Grades 9-12**

- **Prerequisite: Introduction to Programming**

This course uses the C# programming language with Game Engine Unity to learn the basics of developing 3D Video Games. At the end of this course, students will be able to write interactive games in a 3D format. Students will show their proficiency with these topics by making two games during the semester, a midterm project and a final project.

# BUSINESS

## **ART OF GAME DESIGN (5747)**

**1 Trimester**

**Grades 10-12**

In this course, students analyze games and learn about what makes games work. Discussions of player motivations, game mechanics, and thematic elements help students learn to think like board game and computer game designers. The hands-on part of this course consists of designing board games that we play in class. Analytical thinking, creativity, problem solving, and pure fun come together in this project-based course.

## **ADVANCED GAME DEVELOPMENT (5748)**

**1 Trimester**

**Grades 10-12**

- **Prerequisites: 3D Video Game Development and Art of Game Design or AP Computer Science A**

This is an opportunity for students to work in small groups to develop their own game. From brainstorming to execution, students will develop a game in either a 2D or 3D medium.

## **AP COMPUTER SCIENCE PRINCIPLES (5751/5752/5753)**

**3 Trimesters**

**Grades 10-12**

- **Prerequisite: successful completion of an AP or Honors math course or teacher permission. This course fulfills the VPAA requirement for graduation.**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

Dive into the fascinating world of computer science and earn college credit while you're at it! AP Computer Science A provides you with a rigorous, introductory-level college course experience. You will learn the powerful and versatile language of Java and develop job ready skills in one of the most employable coding languages available. Prepare to analyze, write and test computer programs while cultivating your problem solving and critical thinking skills like a true computer scientist.

## **AP COMPUTER SCIENCE A (5771/5772/5773)**

**3 Trimesters**

**Grades 11-12**

- **Prerequisite: AP Computer Science Principles or teacher approval**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

An introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

## **CLOUD COMPUTING CO-HORT COURSES (FERRIS STATE UNIVERSITY)**

**Grades 11-12**

**The Cloud Computing Co-Hort group is an online group of courses offered in partnership with FSU. Students can earn a certificate in Cloud Computing and Cybersecurity upon completion. Courses are offered in sequence back to back.**

- **Prerequisite: Computer Science Principles, GPA 3.0 or above, instructor recommendation**

### **CLOU 131 Cloud Computing Fundamentals**

Students are introduced to a leading cloud computing service architecture. Students will learn cloud architecture principles, services, value proposition, pricing models, and security fundamentals. Students will create, configure, secure, and deploy cloud computing services.

### **CLOU 180 Current Topics in Cloud Computing**

Cloud computing services and security are constantly evolving and it is essential that a cloud computing professional examine new aspects of cloud computing services. This course is focused on emerging cloud computing services and how the new technologies and services are securely utilized by organizations. Pre-Requisite: CLOU 131

### **ISIN 121 Digital Security Awareness**

Students are introduced to digital security exposures and safeguards from a personal to global perspective. Implications of various types of online activities and practices will be investigated. Student learn why safe and secure practices are essential in daily interaction with digital information and devices. Global and cultural issues, as well as ethical and privacy issues will be examined.

### **ISIN 209 Network Security**

This course introduces network management and security concepts including establishing and maintaining network standards and governance procedures. Students will gain exposure to configuring and managing network and device configurations that support organizational objectives in a secure environment.

# BUSINESS

## **COOPERATIVE TRAINING (CO-OP)**

**1, 2, or 3 Trimesters**

**Grade 12**

- **Teacher permission is required**

The co-op program is designed to give students an opportunity to gain hands-on work experience in paid, part-time employment. Students can be released from one or two periods of the school day and report to the work site for either 6 or 12 hours each week. Students attend monthly Co-op meetings that help ensure the success of the work experience. Co-op applications are available in the Co-op Office (lower Media Center).

## **SENIOR INTERNSHIP**

**1 or 2 Trimesters**

**Grade 12**

- **Teacher permission is required**

The internship program is designed to give students an in-depth, hands-on, unpaid work experience in a career of their choice. Students can be released from one or two periods of the school day and report to the internship site for either 6 or 12 hours each week. Students attend monthly Internship meetings that help ensure the success of the internship experience. Internship applications are available in the Co-op Office (lower Media Center). Placement depends on the availability of an appropriate internship site, recommendations from staff, and previous academic/community experience of the student, and is subject to federal and state child labor laws. Internship can be repeated for a second trimester with a new job placement, but new enrollments would be placed first.

## **KENT ISD HEALTH CAREER INTERNSHIP PROGRAM**

**Grade 12**

- **1<sup>st</sup> and 3<sup>rd</sup> Trimesters. Teacher permission is required**

An internship through Kent ISD allows high school seniors to explore a wide variety of health careers by observing health professionals while they work. Students are also able to assist health care staff with numerous basic tasks and services. Through observation, the students gain knowledge of health care fields and an understanding of the wide range of skills needed to work in health care. Placement opportunities include Mercy Health - Saint Mary's Campus, Spectrum Health, private offices, and freestanding clinic settings. Rehabilitation, long term care, dental, and orthodontic placements are also included within internship opportunities. See Mrs. Cody in the lower Media Center for further information.

# COMMUNICATIONS

## COMMUNICATIONS DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
COMMUNICATIONS	7715	10-12	Communications and VPAA
THEATER 1	7775	10-12	Communications and VPAA
ADVANCED THEATER	7776	10-12	VPAA

### **COMMUNICATIONS (7715)**

**1 Trimester**

**Grades 10-12**

This course fulfills the Communications requirement for graduation.

This course is designed to give students a variety of speaking and listening opportunities at the intrapersonal, interpersonal, group, and public levels. Students will learn to organize and present material in a clear, competent manner that demonstrates self-confidence and authority. Although students will engage in reading and writing, the primary focus will be on speaking, listening, and critical thinking.

### **THEATER 1 (7775)**

**1 Trimester**

**Grades 9-12**

This course fulfills the Communications requirement for graduation.

Theater 1 is a course designed to encourage individuals of experience and talent at all levels to "get out of their comfort zones" in order to improve their confidence in front of an audience. Each student who participates fully in this course should expect to gain a deeper appreciation and understanding of the theater arts with a focus on basic acting and design elements. Play attendance/out-of-class requirement: 5 hours are required.

### **ADVANCED THEATER**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: Theater 1 or instructor permission**
- **This class is repeatable for credit**

Advanced Theater is a performance-focused course that is designed to further develop the talents and abilities of serious theater students, while giving them an opportunity to perform. Students in this course can expect to improve their approach to acting, their character development, and their professional understanding of the world of theater. This course may have an after-school requirement for rehearsals and performances near the end of the trimester.

# CONSUMER ECON & LIFE MGT

## CONSUMER ECONOMICS/LIFE MANAGEMENT DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
FOODS FOR HEALTHY LIVING	96625 6625	9 10-12	
ADVANCED FOODS FOR HEALTHY LIVING	6635	11-12	
PERSONAL LIVING SKILLS	96645	9	
FASHION DESIGN 1	6645	10-12	VPAA
FASHION DESIGN 2	6655	10-12	VPAA
HEALTH AND WELLNESS	6725	10-12	
PARENTING PSYCHOLOGY	6735	11-12	VPAA
INDEPENDENT LIVING	6745	11-12	
INTERIOR DESIGN	7185	10-12	VPAA

**FOODS FOR HEALTHY LIVING (96625 grade 9; 6625 grades 10-12) 1 Trimester** **Grades 9, 11-12**

Students will be introduced to various cooking methods while being able to practice those skills in the kitchen. This course will include the following units: Kitchen Safety, Kitchen Basics, My Plate/Nutrient Basics and Healthy Eating Habits, Quick Breads, Fruits/Vegetables and Vegetarian Diets, Meats/Dairy and Eggs, and Explore Cultural Cuisines. The student will complete lab and research tasks in groups and individually throughout the trimester

**ADVANCED FOODS FOR HEALTHY LIVING (6635)** **1 Trimester** **Grades 11-12**

- **Prerequisite: Foods for Healthy Living with B+ or higher**

Advanced Culinary Arts is a one-trimester course that will cover various topics while students will create/display and prepare various meals/dishes that correlate to the current unit. The students will gain knowledge and experience of the culinary world through preparation, planning, practice and creating. The students will enhance their skills in the kitchen through teamwork and collaboration. The class is lab based with participation and attendance being vital. The following units will be included: ServSafe Certification (\$15 fee for National test optional), Advanced Kitchen Basics, Baking/Pastries, and Meal/Event Planning

**PERSONAL LIVING SKILLS (96645)** **1 Trimester** **Grade 9**

This introductory course includes fast-paced instruction with scenario-based learning. Numerous hands-on activities allow students to immediately apply skills learned for numerous financial concepts including goal setting, career exploration, and creating a spending plan. Whether working independently or in small groups or as a class, students will fully engage in classroom activities and remember knowledge learned.

**FASHION DESIGN 1 (6645)** **1 Trimester** **Grades 10-12**

This is a dynamic class for students who want to learn the basics of sewing and how to use a sewing machine to construct multiple projects. Basic information such as how to read and understand patterns, construction techniques, and sewing terms will be discussed. Students will create a total of five projects during the trimester ending with a fashion show displaying their final project. The student will be responsible for the cost of materials for each project and one pattern. Please see your teacher if this presents a difficulty.

**FASHION DESIGN 2 (6655)** **1 Trimester** **Grades 10-12**

- **Prerequisite: Fashion Design 1**

This class is an extension of Fashion Design 1 and builds on the information learned with the focus on design. Some of the beginning information will focus on the study of designers in clothing with a project focusing on design. Students will have the opportunity to create a new design with their choice of patterns and fabric. Students will be responsible for two clothing garment projects, the second being a project of their choice with specific construction techniques included. The student will

# CONSUMER ECON & LIFE MGT

be responsible for the cost of the latter two projects, each consisting of a pattern and fabric. Please see your teacher if this presents a difficulty.

## **HEALTH AND WELLNESS (6715)**

**1 Trimester**

**Grades 10-12**

This course focuses on the concept that living well involves both the mind and body. It presents the topics of health, nutrition, physical activity, and wellness. From stress management and sleep to overall wellbeing, we will explore personal health-related attitudes and beliefs, and individual health behaviors. In this course you will be expected to participate twice a week in fitness activities and conduct a trimester-long case study. You are expected to work collaboratively with your classmates on a daily basis.

## **PARENTING PSYCHOLOGY (6735)**

**1 Trimester**

**Grades 11-12**

This class is “hands-on,” with high school students interacting with preschool children in the preschool lab weekly (the lab is located on campus). Students are required to teach one lesson to the preschool students later in the trimester. Students will learn about the following topics while creating different crafts/projects for each: theories of child development, family structures/life cycle, developmental stages, discipline techniques, impact of play and television, and the importance of reading to children. This is a great program for students who may be considering a career in childcare and/or elementary education.

## **INDEPENDENT LIVING (6745)**

**1 Trimester**

**Grades 11-12**

This elective course is designed to increase students' knowledge of and ability in using the skills necessary for everyday living. This twelve-week course will cover the basics of independent living, including: Goal Setting, Relationships, Cooking on your Own, Preparing for Life After High School, and Career Exploration. Throughout the course you will be required to create a professional portfolio that will show detailed evidence of learning and workforce skills.

## **INTERIOR DESIGN (7185)**

**1 Trimester**

**Grades 10-12**

This course is designed to teach students the elements of design. Students learn to create an impact through the use of color, fabrics and textures. Instruction includes the history of interior design, furniture styles, design theory, and project presentation. Students will learn to determine the scope of a project, develop and present a proposal, and implement a project. Communication skills, interpersonal skills, teamwork, and ethics are addressed. English language arts and math are reinforced throughout the course. In this course, students will: Learn CAD skills to create floor plans with dimensions and labels. Explore the Elements of Design, including: Color, Line, Shape and Form, Space, and Texture. Explore the Principles of Design, including: Variety and Unity, Scale and Proportion, Rhythm, Balance, and Emphasis. Explore significant historical developments and styles of architecture through technology, museum visits, and home tours. Demonstrate the appropriate use of fabrics and textures in various design applications throughout projects. Determine the scope of a project and develop a proposal based on the client's goals, space considerations, budget, and time frame.

# ENGLISH

## ENGLISH DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
PRE-AP ENGLISH 1	91111/91112	9	English 9
AP SEMINAR	1221/1222/1223	10	English 10, VPAA & Communications
ENGLISH 11	1331/1332	11	English 11
WRITING FOR PRINT MEDIA/JOURNALISM 1	1405	10-12	VPAA
WRITING FOR PRINT MEDIA/JOURNALISM 2	1406	10-12	VPAA
MEDIA LITERACY	1407	10-12	VPAA
ENGLISH AND ESPORTS	1409	10-12	
BOOKS AND BLOGS	1410	10-12	
YEARBOOK	1411/1412/1413	10-12	VPAA & Communications
CREATIVE WRITING	1415	11-12	VPAA
TECHNICAL WRITING	1425	12	English 12 Writing
SENIOR COMPOSITION	1435	12	English 12 Writing
SHAKESPEARE	1445	12	English 12 Literature
CONTEMPORARY LITERATURE	1455	12	English 12 Literature
PSYCHOLOGY THROUGH LITERATURE	1465	12	English 12 Literature
SPORTS LITERATURE	1475	12	English 12 Literature
MULTICULTURAL LITERATURE	1485	12	English 12 Literature
AP ENGLISH LANGUAGE & COMPOSITION	1521/1522/1523	11	English 11
AP ENGLISH LITERATURE & COMPOSITION	1541/1542/1543	12	English 12 Writing & Literature

### **PRE-AP ENGLISH 1 (91111/91112)**

**2 Trimesters**

**Grade 9**

This course prepares students for the rigors of future English courses and gives them the language skills necessary to achieve their life goals, whether in college or a vocation. The work and the reading required will not be unreasonable, but it will be steady. We have developed the course to support our English 9 district priority standards and to focus on relevant reading, writing, and language skills. Texts take center stage, preparing students for close, critical reading and analytical writing. This format trains readers to observe intentional details in a text to understand the whole better. It also trains writers to create more complex sentences - building this foundational skill en route to sophisticated, longer-form analyses.



# ENGLISH

## **AP SEMINAR (1221/1222/1223)**

**3 Trimesters**

**Grade 10**

- **Prerequisite: English 9 or Honors English 9**

All students in 10<sup>th</sup> grade will take the AP Seminar curriculum to meet their English 10 requirement. AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. This course will also fulfill the RHS Communications/.5 credit VPAA requirement.

## **ENGLISH 11 (1331/1332)**

**2 Trimesters**

**Grade 11**

- **Prerequisite: AP Seminar**

English 11 is an American Literature course where students read texts of all genres from key periods in our country's history that represent significant intellectual, cultural, and political movements and developments. At the core of the class is the exploration of the American experience of different groups through a variety of perspectives, all of which contribute to our diverse American identity. Students will learn about the rhetorical situation and how authors use various literary elements to convey their messages to a select audience. They will explore authorial choices and styles and evaluate their effectiveness. Students will also learn to use literary lenses to better understand a text from a different perspective. Students will write compositions that allow them to explore their understanding of various American identities as well as their own.

## **WRITING FOR THE PRINT MEDIA/JOURNALISM 1 (1405)**

**1 Trimester**

**Grades 10-12**

Writing for the Print Media 1 is an introductory writing course focusing on the skills of gathering news, reporting, writing, and copy editing for print media. The drafting of news, and how it is collected, selected, presented, and distributed will be covered. Also included will be the role of news in society, and the legal rights and responsibilities of news media. Students produce the school newspaper.

## **WRITING FOR THE PRINT MEDIA/JOURNALISM 2 (1406)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: Instructor approval and successful completion of Writing for the Print Media 1 with at least a B**

Students enrolling in Writing for the Print Media 2 will continue to build upon interviewing, writing, and editing skills introduced in Writing for the Print Media 1. They will participate in editorial board meetings, assist in story planning, and help guide Writing for the Print Media 1 students in the writing process. They will be responsible for the successful production and revision of the school newspaper. Also included will be developing presentation skills, time management, and work ethic.

## **MEDIA LITERACY (1407)**

**1 Trimester**

**Grades 10-12**

Is what you read in the news fair and balanced? Would you like to learn how to critically evaluate news and information that comes from our media? How important is a free and fair press in the United States? Want to become a more informed citizen on current issues and events in our world? In this course, you will learn some of the history behind the First Amendment and how newspapers got started. You will explore how personal perceptions, values, and ideologies can impact the writing and reading of a news story. By studying the concepts of fairness and bias in current media, you will learn how different news platforms and social media can demonstrate both. Developing evaluative skills is important in a world where we are constantly bombarded with information. If you like talking or thinking about what's on the news, what's the latest tweet from a news source you follow, and what just popped up on your latest Facebook feed that's a hot news topic, this class is for you. This class may be repeated for credit.

# ENGLISH

## **ENGLISH AND ESPORTS (1409)**

**1 Trimester**

**Grades 10-12**

Students will build a foundational understanding of esports, their history, and their evolution over time, through research in multiple genres and methodologies. They will use critical thinking skills and argumentative, analytical, narrative, expository, and descriptive pieces of writing on self-selected topics within each unit's main framework to apply their esports enthusiasm to their English study. Students will explore the meaningful and diverse ways to participate in the esports community beyond playing competitively themselves, and will connect the gaming experience to literature, both fiction and nonfiction. Challenging preconceptions of what qualifies as a text, the students will apply their understanding of literary concepts to analyze and critique how writers and game developers both make choices to convey meaning to their audiences. Becoming authors themselves, they will contribute their own characters and worlds to the genre of esports. This course also supports integrated STEM learning and principles with its emphasis on effective oral and written communication, argumentation, design thinking, systems thinking, and effective student engagement with educational technology as a means to collaborate, critically think, and communicate student thinking.

## **BOOKS AND BLOGS (1410)**

**1 Trimester**

**Grades 10-12**

Students tap into their own interests in this English elective. Each student will create a blog that they will work in over the course of the trimester. In that blog they will write entries about books or articles they have read, reviews, opinions, and their thoughts on things they are genuinely interested in. Students have the opportunity to join the conversation of things happening in the world and learn more about their interests by picking what they read and write about. All the while, they are refining their writing and communication skills.

## **YEARBOOK (1411/1412/1413)**

**3 Trimesters**

**Grades 10-12; may be open to grade 9 in T2 & T3**

Three trimesters of this course fulfill the Communications requirement for graduation.

Yearbook class's primary objective is production of the high school yearbook for the current academic year. In order to accomplish this, students will work on interpersonal and interviewing skills to become recorders of the high school community as it evolves throughout the year. Beyond the interpersonal, customer service aspects of the class, all students will develop skills and accomplish assignments in the following areas: advertising, photography, computer production, layout, and writing copy. Students returning for multiple years will have opportunities for leadership in all levels of production.

Some out-of-class time is required to cover assignments that incorporate all aspects of the school environment and activities. The expectation of commitment to multiple trimesters is important to the development of the yearbook; however, Yearbook B and C are by permission only. The staff will be made of the best students from Trimester A. We are looking to build a strong staff to develop a unique, high quality yearbook. We are also open to a limited number of freshman Tri B (by application) in order to develop a more dynamic yearbook and stronger, inclusive staff.

## **CREATIVE WRITING (1415)**

**1 Trimester**

**Grades 11-12**

- **Prerequisites: Successful completion of English 9 & 10**

Creative Writing is designed for the student who wishes to write and pursue a study of poetry, fiction, and drama. The course will focus on writing poetry, fiction, essay, and dialogue. This is an elective course and does not fulfill an English graduation requirement, but does fulfill 0.5 credit toward the VPAA requirement.

## **TECHNICAL WRITING (1425)**

**1 Trimester**

**Grade 12**

Technical Writing is designed for students who want to improve writing skills that will be used in service, military, and technical careers, as well as students who are not currently planning to pursue a four-year university degree. Course content will emphasize the use of technology as a learning objective, a medium through which students will improve their writing and a means to manage research, documentation, and presentation skills currently accepted in a wide range of workplace environments. The Technical Writing course is intended as an alternative to Senior Composition for students who plan on entering the work world, the military, or a technical or vocational school, or plan to pursue a one- or two-year degree or certificate after graduating high school.

# ENGLISH

## **SENIOR COMPOSITION (1435)**

**1 Trimester**

**Grade 12**

- **Prerequisite: Successful completion of English 11 or approval of the instructor**

The course involves exposition, narration, argument, and analysis of literature. This fulfills half of the Senior English requirement for the majority of Seniors who are not in the AP English Literature & Composition class.

**FSU Senior Comp (1438)** may be taken for Concurrent Enrollment with Ferris State University to earn a grade and credit for ENGL 150.

## **SHAKESPEARE (1445)**

**1 Trimester**

**Grade 12**

This course focuses on interpretation and performance of Shakespeare's plays. The course will also cover the history and cultural background of Elizabethan England. A brief analysis of Shakespeare's sonnets and poems will be addressed. This fulfills the 12<sup>th</sup>-grade Literature requirement for those taking Senior Composition or Technical Writing.

## **CONTEMPORARY LITERATURE (1455)**

**1 Trimester**

**Grade 12**

This course offers modern literature written after 1950. Students will be expected to discuss the literature and its relationship to current issues in society. Students will be exposed to biography, autobiography, fiction, and non-fiction. This fulfills the 12<sup>th</sup>-grade Literature requirement for those taking Senior Composition or Technical Writing.

## **PSYCHOLOGY THROUGH LITERATURE (1465)**

**1 Trimester**

**Grade 12**

Delve into the connection between psychology and literature in this thought-provoking senior-level course. Students will study the human psyche as they read both classic and contemporary literature. Throughout the trimester, students will examine the profound connections between psychology and storytelling. This course will extend beyond the study of characters, as students will unravel the psychological intricacies that shape their own development. This fulfills the 12<sup>th</sup> grade literature requirement.

## **SPORTS LITERATURE (1475)**

**1 Trimester**

**Grade 12**

Major sports of the United States are used as a basis for studying events and people associated with athletics. Several books relating to certain sport areas or major athletes are read and discussed. Current events are also stressed as they relate to athletic history. Writing assignments related to our study are required. This fulfills the 12<sup>th</sup>-grade Literature requirement for those taking Senior Composition or Technical Writing.

## **MULTI CULTURAL LITERATURE (1485)**

**1 Trimester**

**Grade 12**

This class is intended to give students the experience of cultural diversity and to expand their sense of what it means to be part of a minority group through the study of diverse texts from various authors. This fulfills the 12<sup>th</sup> grade literature requirement.

## **AP ENGLISH LANGUAGE AND COMPOSITION (1521/1522/1523)**

**3 Trimesters**

**Grade 11**

- **Prerequisite: Successful completion of Honors English 10 with at least a B, or teacher recommendation. Others wishing acceptance are subject to appeal by examination.**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

Course content: This AP course is intended for students who have demonstrated through previous English courses exceptional reading and writing skills. They are skilled readers of complex prose, and writers who can compose in a variety of modes for a variety of purposes. Goals for the course are: Literary criticism and analysis of a wide variety of fiction and non-fiction prose; Extended vocabulary enrichment focusing on literary terminology; Logic, with an emphasis on its relationship to writing; Composition, including spontaneous writing, essays, a variety of major forms of papers, and research skills. Major forms of papers include Argumentation, Literary Analysis, Opinion, Comparison and Contrast. There will be a review of grammatical concepts with emphasis on sentence structure and variety, and a review of mechanics, focusing on the most common mechanical errors.

# ENGLISH

## AP ENGLISH LITERATURE AND COMPOSITION (1541/1542/1543)

3 Trimesters

Grade 12

- **Pre-requisite: Successful completion of AP English Language & Composition or teacher recommendation**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

Course content: Advanced Placement English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students should deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work's structure, style, and themes as well as smaller-scale elements such as the use of figurative language, imagery, symbolism, and tone. Writing is the primary form of assessment.

# MATH

## MATHEMATICS DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
ALGEBRA 1	93211/93212/93213	9	Algebra 1
"FLIPPED" ALGEBRA 1	93133/93134/93135	9	Algebra 1
GEOMETRY	93221/93222 3221/3222	9 10-11	Geometry
"FLIPPED" GEOMETRY	3231/3232	10-11	Geometry
GEOMETRY IN CONSTRUCTION	3241/3242/3243	10	Geometry and .5 credit VPAA
HONORS GEOMETRY	93261/93262	9-10	Geometry
ALGEBRA 2 ESSENTIALS	3261/3262/3263	11-12	Algebra 2
ALGEBRA 2	3271/3272	10-12	Algebra 2
"FLIPPED" ALGEBRA 2	3291/3292	10-12	Algebra 2
HONORS ALGEBRA 2	93281/93282 3281/3282	9 10-11	Algebra 2
STATISTICAL REASONING IN SPORTS	3305	10-12	Other Math
INTRO TO TRIGONOMETRY	3315	10-12	Other Math
PRE-CALCULUS	3441/3442	10-12	Other Math
HONORS PRE-CALCULUS	3461/3462	10-12	Other Math
STATISTICS	3475	11-12	Other Math
INTRO TO CALCULUS	3485	11-12	Other Math
AP STATISTICS	3531/3532/3533	11-12	Other Math
AP CALCULUS AB	3541/3542/3543	11-12	Other Math
AP CALCULUS BC	3551/3552/3553	11-12	Other Math

**ALGEBRA 1 (93131/93132 9<sup>th</sup> grade, 3131/3132 10<sup>th</sup> grade)      2 Trimesters      Grades 9-10**

This is the first course taken in Algebra. It introduces the student to the basic terms, symbols, and concepts used in the study of Algebra. The focus is on equation solving, inequalities, systems of equations, linear and quadratic functions including solving quadratic equations by factoring and using the quadratic formula, and radicals. This course includes units in percent/percent change, proportion problems, and probability and statistics.

**"FLIPPED" ALGEBRA 1 (93133/93134/93135)      3 Trimesters      Grade 9**

Students must have internet access at home for this Flipped class. In the Flipped class, students watch and take notes on concept/tutorial videos at home. The next day class time is devoted to peer/group work on the "homework." This allows for students to take notes and learn at their own pace (at home with videos) and then have the teacher (and peers) available for help during class while working through the homework problems. This course follows the same curriculum as Algebra.

**GEOMETRY (93221/93222 9<sup>th</sup> grade, 3221/3222 grades 10-11)      2 Trimesters      Grades 9-11**

- **Prerequisite: Algebra 1**

This course is devoted to the study of geometric figures in which the ideas of congruence, similarity, area, volume, constructions, and transformations are introduced and explained. Formal proof is extensively used.

# MATH

## **“FLIPPED” GEOMETRY (3231/3232)**

**2 Trimesters**

**Grades 10-11**

- **Students must have internet access at home for this Flipped class**
- **Prerequisite: Algebra 1 with a grade of C or above recommended**

In the Flipped class, students watch and take notes on concept/tutorial videos at home. The next day’s class time is devoted to peer/group work on the "homework." This allows for students to take notes and learn at their own pace (at home with videos) and then have the teacher (and peers) available during class while working through the homework problems. This course follows the same curriculum as Geometry.

## **GEOMETRY IN CONSTRUCTION (3241/3242/3243)**

**3 Trimesters**

**Grade 10**

- **Prerequisite: Algebra 1**

Geometry in Construction is an engaging, project-based course that connects geometric principles with practical construction experiences. Students dive into hands-on activities, from design to actual building, working collaboratively to apply math in tangible ways. This dynamic learning environment fosters teamwork, creative problem-solving, and critical thinking, with educators guiding as mentors. The course also enhances the relevance and impact of their mathematical learning. It's an opportunity for students to not only master geometry but also develop essential skills for future careers, making math both meaningful and enjoyable. This course will also fulfill .5 credit of VPAA.

## **HONORS GEOMETRY (93261/93262)**

**2 Trimesters**

**Grades 9-10**

- **Prerequisite: This is the accelerated Geometry class for those who complete Algebra in 8<sup>th</sup> or 9<sup>th</sup> grade with an A- or above or teacher recommendation**

Course content includes area, volume, coordinate geometry, trigonometry, and applied Algebra concepts. Students will be assigned many of the more difficult problems from the book and occasionally will be asked to demonstrate their understanding of the material to the class.

## **ALGEBRA 2 ESSENTIALS (3261/3262/3263)**

**3 Trimesters**

**Grades 11 & 12**

- **Prerequisite: Teacher recommendation from Geometry**

The purpose of this course is to reinforce and expand concepts from Algebra 1. The course is designed to help those students who struggled with Geometry and/or Algebra 1 by completing Algebra 2 over a two-year period. This course meets the Algebra 2 graduation requirement under the Michigan Merit Curriculum.

## **ALGEBRA 2 (3271/3272)**

**2 Trimesters**

**Grades 10-12**

- **Prerequisite: Algebra 1 & Geometry with a grade of C or above in both classes is recommended**

The purpose of Algebra 2 is to develop, enhance, and expand concepts taught in Algebra 1. In addition, the course will include units in rational expressions, imaginary numbers, solving quadratic equations, functions, and right triangle trigonometry. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty.

## **“FLIPPED” ALGEBRA 2 (3291/3292)**

**2 Trimesters**

**Grades 11-12**

- **Students must have internet access at home for this Flipped class**
- **Prerequisite: Algebra 1 & Geometry with a grade of C or above in both classes is recommended**

In the Flipped class, students watch and take notes on concept/tutorial videos at home. The next day’s class time is devoted to peer/group work on the "homework." This allows for students to take notes and learn at their own pace (at home with videos) and then have the teacher (and peers) available during class while working through the homework problems. This course follows the same curriculum as Algebra 2.

## **HONORS ALGEBRA 2 (93281/93282 9<sup>th</sup> grade, 3281/3282 grades 10-12)**

**2 Trimesters**

**Grades 9-11**

- **Prerequisite: Successful completion of Honors Geometry or teacher recommendation**

This course covers the same topics as Algebra 2, but in greater detail. Students will be assigned many of the more difficult problems from the book and occasionally will be asked to demonstrate their understanding of the material to the class. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty.

# MATH

## **STATISTICAL REASONING IN SPORTS (3305)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: Algebra 2**

Students will learn how to use the four-step statistical process in the context of sports: ask questions, collect data, analyze data, and make conclusions. Each chapter begins with a sports-related statistical question (e.g., is there a home field advantage in the NFL?). Students will learn how to collect appropriate data, analyze the data, and make reasonable conclusions. The primary objective of the class is to teach students the basic principles of statistical reasoning. Students will analyze distributions of univariate and bivariate data, use graphs and summary statistics, use simulations to estimate probability distributions, apply rules of probability, use the logic of hypothesis testing, use confidence intervals to estimate parameters, and utilize proper methods of data collection, including sampling and experimentation. The use of technology, including online applets and the graphing calculator, are prominent in the course. Students will complete investigations that require them to apply the four-step statistical process using athletes of their choice.

## **INTRODUCTION TO TRIGONOMETRY**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: Algebra 2**

This course is an introduction to trigonometric functions, their graphs, and applications. It is also an introduction to vectors and polar coordinates. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty.

## **PRE-CALCULUS (3441/3442)**

**2 Trimesters**

**Grades 10-12**

**Prerequisite: Algebra 2 with a grade of C or above is recommended**

This course is required as corequisite at the minimum for all students taking regular physics. This course is the analytical study of trigonometric functions and higher Algebra. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty. This course articulates to Davenport University.

## **HONORS PRE-CALCULUS (3461/3462)**

**2 Trimesters**

**Grades 10-12**

- **Prerequisite: Successful completion of Honors Algebra 2 or Algebra 2 with teacher recommendation**

This course is the analytical study of trigonometric functions and analytical geometry, and higher Algebra. It is a very rigorous course for those students who have successfully completed Honors Algebra 2. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty. This course articulates to Davenport University.

## **STATISTICS (3475)**

**1 Trimester**

**Grades 11-12**

- **Prerequisite: Algebra 2 or Pre-Calculus with a grade of B- or above is recommended**

This is an introductory course in statistics designed to provide students with the basic concepts of data analysis and statistical computing. Topics covered include descriptive measures, probability theory, normal distributions, confidence intervals, hypothesis testing, and linear associations. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty. This course articulates to Davenport University.

## **INTRODUCTION TO CALCULUS (3485)**

**1 Trimester**

**Grades 11-12**

- **Prerequisite: Pre-Calculus with a grade of B or above**

This is a study of functions and their graphs and how functions and real-life applications relate to each other. Limits, continuity, derivatives, and integrals are the major topics in this course. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty.

## **AP STATISTICS (3531/3532/3533)**

**3 Trimesters**

**Grades 10-12**

- **Prerequisite: Pre-Calculus with a grade of B or above or Honors Algebra 2 with a grade of B- or above or Honors Pre-Calculus with a grade of C or above.**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

This course will introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to 4 broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns.
2. Sampling and Experimentation: Planning and conducting a study.
3. Anticipating Patterns: Exploring random phenomena using probability and simulation.
4. Statistical Inference: Estimating population parameters and testing hypotheses.

# MATH

Students can take the AP Exam in May and potentially receive college credit for the course. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty.

## **AP CALCULUS AB (3541/3542/3543)**

**3 Trimesters**

**Grades 11-12**

- **Prerequisite: Honors Pre-Calculus or Precalculus with teacher recommendation**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

This course challenges students to think critically while learning the content typically taught in a Calculus I college course. Students will study the following broad themes:

1. Limits and continuity
2. Differentiation and its applications
3. Integration and its applications
4. Differential equations

Students can take the AP Calculus AB exam in May and potentially receive college credit for the course. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty.

## **AP CALCULUS BC (3551/3552/3553)**

**3 Trimesters**

**Grades 11-12**

- **Prerequisite: AP Calculus AB**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

This course challenges students by reviewing and extending the knowledge gained in Calculus AB while learning the content typically taught in a Calculus II college course. Students study the following topics:

1. Advanced applications of integration: parts, partial fractions, improper integrals
2. Parametric equations, vector-valued functions and polar equations
3. Series convergence testing
4. Taylor polynomials; Taylor and McLaurin series

Students can take the AP Calculus BC exam in May and potentially receive college credit for the course. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty.



# MUSIC

## MUSIC DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
CHOIR	90121/90122/90123	9	VPAA
TREBLE CHORUS	0101/0102/0103	10-12	VPAA
CHORALE	0131/0132/0133	10-12	VPAA
CHAMBER SINGERS	0141/0142/0143	11-12	VPAA
ADVANCED TREBLE ENSEMBLE	0151/0152/0153	11-12	VPAA
MUSIC APPRECIATION	0196	9-12	VPAA
ADVANCED MUSIC THEORY	0175	12	VPAA
ADVANCED MUSICIANSHIP	0185	10-12	VPAA
MARCHING WINDS MARCHING PERCUSSION MARCHING COLOR GUARD MARCHING ASSISTANT	0201A 0201B 0201C 0201D	9-12	VPAA
BLACK & ORANGE BANDS	0202/0203	9-12	VPAA
WIND SYMPHONY	0212/0213	10-12	VPAA
WIND ENSEMBLE	0222/0223	10-12	VPAA
CONCERT ORCHESTRA	0331/0332/0333	9-12	VPAA
PHILHARMONIC ORCHESTRA	0321/0322/0323	9-12	VPAA
SYMPHONY STRINGS	0311/0312/0313	10-12	VPAA

### **CHOIR (90121/90122/90123)**

**3 Trimesters**

**Grade 9**

The class will include vocal techniques, music theory, music literature, and performance of vocal music of all periods in large group and small ensembles. This class does not require an audition.

### **TREBLE CHORUS (0101/0102/0103)**

**3 Trimesters**

**Grades 10-12**

This performing ensemble does not require an audition.

Composed entirely of treble voices, this class will include vocal techniques, music theory, music literature, and performance of vocal music from all historical style periods in large groups and small ensembles.

### **CHORALE (0131/0132/0133)**

**3 Trimesters**

**Grades 10-12**

This performing ensemble does not require an audition. This class will include vocal techniques, music theory, music literature, and performance of vocal music from all historical style periods, in large group and small ensembles.

### **CHAMBER SINGERS (0141/0142/0143)**

**3 Trimesters**

**Grades 11-12**

- **Registration for this advanced performing ensemble is by audition only**

This is a highly select choral ensemble singing music from the renaissance to the present. This choir represents the finest singers at Rockford High School. Usually 20 singers, the class voicing is SSAATTBB, and often divides into eight-part harmony. This group is offered to our most dedicated vocal music students, many of whom continue after high school to pursue music as a career.

### **ADVANCED TREBLE ENSEMBLE (0151/0152/0153)**

**3 Trimesters**

**Grades 11 & 12**

- **Registration for this advanced performing ensemble is by audition only**

The Rockford High School Advanced Treble Ensemble is a select choir of treble voicing for singers who are interested in singing some of the best choral literature composed for Treble Voices. The choir is typically between 32 and 40 voices.

# MUSIC

## **MUSIC APPRECIATION (0196)**

**1 Trimester**

**Grades 9-12**

This class for musicians and non-musicians alike explores the role music plays in our everyday lives. We use a wide variety of musical styles (from the early 1900's to current chart hits) to learn about musical concepts like song form, instrumentation, vocal type, and lyric composition. We also discuss higher-level musical concepts like musical preference, the cultural roles of music, and artistic integrity. In addition, students spend time learning the basics of music literacy on guitar, piano, or ukulele.

## **ADVANCED MUSIC THEORY (0175)**

**1 Trimester (Fall or Winter)**

**Grade 12**

- **Prerequisite: Participation in an advanced music performance ensemble or private studio**

Students in this class undertake the advanced study of elements of music theory, with emphasis on musical notation, meter, and tertian harmonies to seventh chords, four-part writing, voice-leading and harmonic analysis in diatonic and chromatic music. This course is designed with the concept of preparing students who intend to be music majors or minors in college.

## **ADVANCED MUSICIANSHIP (0185)**

**1 Trimester (Fall)**

**Grades 10-12**

- **Prerequisite: Simultaneous participation in another band ensemble**

This class is designed for individual and group study, and rehearsal and performance of solo and small ensemble literature. The focus will be on individual improvement and practice techniques. It is suited for students to prepare for upcoming auditions, learn a secondary instrument, or simply gain more independence on current instrument.

## **MARCHING BAND**

**Trimester 1 (Fall)**

**Grades 9-12**

- **Marching Winds (0201A)**
- **Marching Percussion (0201B)**
- **Marching Color Guard (0201C)**
- **Marching Assistant (0201D)**

## **BLACK AND ORANGE BANDS (0202/0203)**

**Trimesters 2 & 3**

**Grades 9-12**

- **Entry determined by audition**

## **WIND SYMPHONY (0212/0213)**

**Trimesters 2 & 3**

**Grades 10-12**

- **Entry determined by audition**

The main objective of this course is to attain the highest possible level of performance for each student. This is accomplished through the performance of intermediate literature and the study of theory, rhythm, technical facility, etc.

## **WIND ENSEMBLE (0222/0223)**

**Trimesters 2 & 3**

**Grades 10-12**

- **Entry determined by audition**

The main goal of this group of accomplished musicians is to study and perform advanced compositions. The Wind Ensemble is the most traveled and performed band at Rockford High School. Entry is by strict audition only.

## **CONCERT ORCHESTRA (0331/0332/0333)**

**3 Trimesters**

**Grades 9-12**

- **Prerequisite: 3 years of Middle school orchestra or admission by audition**

This course includes intermediate and advanced study of string technique, an introduction to music theory, and performance of music from a variety of musical styles. Students are encouraged to participate in chamber ensembles and Solo & Ensemble Festivals. Grading is based on concert attendance, daily rehearsal technique, written and playing tests, and other assignments. This course is open to all high school students with at least 3 years of playing experience. The focus of this ensemble is continued development of string technique and movement toward more advanced levels of musicianship.

## **PHILHARMONIC ORCHESTRA (0321/0322/0323)**

**3 Trimesters**

**Grades 9-12**

- **Prerequisite: Admission by audition with at least one year of Concert Orchestra or participation in an All-State level orchestra**

This course includes increasingly advanced study of string technique, music theory, and performance of music from a variety of musical styles. Symphonic Orchestra is an advanced performing orchestra for students who are committed to several performances throughout the year. Symphonic Orchestra students are encouraged to participate in chamber ensembles and Solo & Ensemble Festivals. Grading is based on concert attendance, daily rehearsal technique, written and playing tests, and other assignments. This course is open by audition to students with at least 1 year of membership in Concert Orchestra or

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membership in an All-State level orchestra. The focus of this ensemble is development of advanced string technique and musicianship.

**SYMPHONY ORCHESTRA (0311/0312/0313)**

**3 Trimesters**

**Grades 10-12**

- **Prerequisite: Admission by audition with at least one year of Concert Orchestra or Philharmonic Orchestra**

This course includes advanced study of string technique, music theory, and performance of music from a variety of musical styles. Chamber Orchestra is an advanced performing orchestra for students who are committed to several performances throughout the year, sometimes several times a month. In addition to performances with the entire orchestra, members of Chamber Orchestra are also required to participate in Solo and Ensemble Festival. Grading is based on participation in scheduled events, daily rehearsal technique, written and playing tests, and other assignments. This course is open by audition to students with at least 1 year of membership in another High School orchestra. The focus of this ensemble is development of advanced string technique and musicianship, and development of skills that will benefit those considering college auditions.

# PHYS ED

## PHYSICAL EDUCATION DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
PHYSICAL EDUCATION 9	96105	9	Phys Ed 9
HEALTH EDUCATION	96115	9	Health
STRENGTH & CONDITIONING 9	96110	9	Phys Ed 9
SPORTS ACTIVITIES	6201/6202/6203	10-12	Second 0.5 PE, PE 9 in some circumstances
YOGA AND MINDFULNESS	6245	10-12	Second 0.5 PE
KICKBOXING	6255	10-12	Second 0.5 PE
OUTDOOR FITNESS AND ACTIVITIES	6265	11-12	Second 0.5 PE
ENDURANCE FITNESS	6275	10-12	Second 0.5 PE
AQUATICS FOR FITNESS	6306	10-12	Second 0.5 PE
LIFE GUARDING	6315	10-12	Second 0.5 PE
FEMALE WEIGHT LIFTING	6311/6312/6313	10-12	Second 0.5 PE
WEIGHT TRAINING	6321/6322/6323	10-12	Second 0.5 PE
ADVANCED STRENGTH AND CONDITIONING	6351/6352/6353	10-12	Second 0.5 PE
PE LEADERS	6235	10-12	Second 0.5 PE

### **PHYSICAL EDUCATION 9 (96105)**

**1 Trimester**

**Grade 9**

This is a beginning course in physical education. The emphasis is on lifetime activities, including both fitness and sports. Fitness activities focus on strength, cardiovascular endurance, flexibility, and agility. Sports activities such as badminton, basketball, disc golf, flag football, floor hockey, soccer, softball, and volleyball include the individual and team aspects. Specific course content will be dependent on the trimester, due to weather and facility limitations. Also included is introduction to weight lifting with an emphasis on form and safety.

### **HEALTH EDUCATION (96115)**

**1 Trimester**

**Grade 9**

This class focuses on developing skills and acquiring knowledge to achieve holistic wellness. Students will learn their decisions affect all areas of health and that these decisions can promote their health and enjoyment of life now and in the future.

### **STRENGTH AND CONDITIONING 9 (96110)**

**1 Trimester**

**Grade 9**

This is an intense class designed to meet the needs of the serious participant. Strength and Conditioning 9 is a dynamic course that focuses on mastering the proper form and technique used for the basic lifts to prepare the student to safely and effectively lift weights. There is also a strong emphasis on core strength, speed and agility, conditioning, and flexibility and mobility. There will be competitive game play once a week. Pre and Post testing in the areas of strength, power, speed, and agility will be recorded and evaluated. This course suits those with a strong interest in improving their strength, speed and agility and preparing for advanced conditioning during their sophomore through senior years at the 10-12 building. Strength and Conditioning 9 counts towards the first of two Physical Education classes required for graduation and meets the Michigan Merit Curriculum guidelines. With a grade of a B or better the student will have met the prerequisites to enroll in Advanced Conditioning as a sophomore.

### **SPORTS AND FITNESS ACTIVITIES (6201 T1/6202 T2/6203 T3)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: PE 9 and Health Education**

This is an elective course that focuses on the concepts of team and individual sports. Activities may include basketball, lacrosse, football, soccer, speedball, floor hockey, tennis, badminton, swimming, and volleyball. The class also involves

# PHYS ED

running and a variety of other methodologies to obtain and maintain fitness. Students participate in swimming once every week throughout the trimester. This course may be taken more than once with permission from the instructor or counselor.

## **YOGA AND MINDFULNESS (6245)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: PE 9 and Health Education**

Designed for students experiencing struggles with anxiety, or those who have successfully dealt with anxiety and can serve as leaders by example. Enjoy the benefits yoga and core training can provide by participation in this class. Area of focus will be on low-impact activities to improve overall flexibility, strength, core and cardiovascular endurance. Reduction of stress and increased ability to focus are added benefits that typically coincide with yoga practice. We will also be using the Mindfulness training program. This course may be taken once per school year.

## **KICKBOXING (6255)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: PE 9 and Health Education**

Kickboxing is a course centered on gaining strength through body weight and resistance of a boxing bag and improving cardiovascular health through interval training. In this course punching techniques, kicking variations, cardio and flexibility will be taught and incorporated into a full body interval workout. Days we aren't working on a bag, we will have fitness days where students are working on cardio and agility. At course end, students will have gained improved agility, flexibility, strength, and coordination. Purpose: The purpose of this course is to provide students with an option to take a course that challenges their cardiovascular fitness through cardio training, resistance training, and kickboxing techniques. Kickboxing techniques include, striking, kicking and combos. Self-defense training will also be included in this course. This course may be taken more than once with permission.

## **OUTDOOR FITNESS AND ACTIVITIES (6265)**

**1 Trimester**

**Grades 11-12**

- **Prerequisite: PE 9 and Health.**

Come experience a very unique approach to physical education as you challenge yourself physically and mentally. The majority of the course takes place off campus and will expose you to resources right here in the greater Rockford area. Topics of instruction may include: trust and team building activities, low and high ropes, trail building, trail maintenance, mountain biking, hiking, back packing, kayaking, canoeing, hunter's safety, disc golf, paintball, orienteering, land navigation, rock climbing, scuba, fly fishing, community service projects, and first aid and CPR. Student must have completed permission forms/waivers.

## **ENDURANCE FITNESS (6275)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: PE 9 and Health Education**

Recommended for students seeking to improve their cardiovascular fitness. This elective course designed for those interested in learning life-long activities that improve endurance through a variety of methods. Class will involve running, swimming, circuit training, and intervals in addition to a variety of other methodologies to improve fitness. This course is fun yet challenging both mentally and physically. Expectations will be made based upon level of fitness when beginning the class. This course may be taken more than once with permission.

## **AQUATICS FOR FITNESS (6306)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: PE 9 and Health Education**
- **This course is open for male and female athletes**

This class is designed to meet the needs of beginning and intermediate swimmers as well as competitive swimmers and water polo players. Swimming instruction and workouts designed by ability are the focus of the class. Students who want to swim for fitness, prepare for military or triathlon training, or just improve their swimming ability would be interested in this class. Swimming is one of the healthiest lifetime activities. Learning to swim safely is a key skill for everyone, especially living in Michigan. The structure of the class will be: 4 days a week of swimming instruction and workouts; 1 day a week out of the pool doing stretching, calisthenics, or yoga. The class will be divided into 3 groups -- beginning, intermediate and competitive swimmers -- with the goal of improving cardiovascular fitness, technique, and safety. This course may be taken more than once.

# PHYS ED

## LIFE GUARDING (6315)

1 Trimester

Grades 10-12

- Prerequisites: PE 9, Health, minimum age of 15 at start of class, and passing a swimming proficiency test
- **THE RED CROSS REQUIRES ALL STUDENTS PASS THE FOLLOWING SWIM TEST ON THE SECOND DAY OF CLASS TO REMAIN IN THE CLASS:**
  - 1) Swim 300 yards freestyle, non-stop with rhythmic breathing;
  - 2) Tread water with legs only for 2 minutes;
  - 3) Retrieve a 10 lb. brick from 10-foot depth and swim it 20 yards back to the edge of the pool without assistance.

The Lifeguarding course is designed by the American Red Cross to train lifeguard candidates with the skills and knowledge to keep patrons of aquatic facilities safe in and around water. Students earn a letter grade and in addition may earn certification in Advanced Lifeguarding, CPR, First Aid, and AED. The course is also a Swimming and Fitness course. The class meets in the pool 3 days per week. There is a \$35 fee for students desiring certification. Please see your teacher if this presents a difficulty. Lifeguarding may NOT be repeated. **Be advised – if you have trouble talking about or seeing first aid or medical emergencies, this class is NOT for you. You will view, on film, real life medical emergencies and how they are handled by medical professionals. You will train to handle these emergencies: severe bleeding, broken bones, spinal injuries, illness, etc.**

## FEMALE WEIGHT LIFTING (6311 T1/6312 T2/6313 T3)

1 Trimester each

Grades 10-12

- Prerequisite: PE 9 and Health Education

This class is designed to meet the needs of the female students seeking to become familiar with strength training and gaining muscular strength. This course will provide each individual with programs that will foster improvement in the areas of strength, flexibility, mobility, and muscular/cardiovascular endurance. Proper nutrition and sleep habits will be addressed. Pre- and post-testing in the areas of upper and lower body strength and power will be recorded and evaluated. Student-athletes will benefit from the opportunity to improve strength and conditioning during school hours while having additional time for enhancing academic responsibility and accountability outside of school. This course may be taken more than once.

## WEIGHT TRAINING (6321 T1/6322 T2/6323 T3)

1 Trimester each

Grades 10-12

- Prerequisite: PE 9 and Health Education

This class is designed to meet the needs of students seeking to become familiar with strength training and gaining muscular strength. This course will provide each individual with programs that will foster improvement in the areas of strength, flexibility, mobility, and muscular/cardiovascular endurance. Proper nutrition and sleep habits will be addressed. Pre- and post-testing in the areas of upper and lower body strength and power will be recorded and evaluated. Student-athletes will benefit from the opportunity to improve strength and conditioning during school hours while having additional time for enhancing academic responsibility and accountability outside of school. This course may be taken more than once.

## ADVANCED STRENGTH AND CONDITIONING (6351/6352/6353)

1 Trimester each

Tri 1: Grades 10-12

Tri 2: Grades 10-11; some seniors may be admitted, with priority to those involved in a sport or recommendation from P.E. teacher

Tri 3: Grades 10-11; some seniors may be admitted, with priority to those involved in a sport or recommendation from P.E. teacher

- Required for entry: Student-athletes must turn in an application to instructor (beginning 2019-2020)
- Prerequisite: Strength and Conditioning 9 or Weight Training (beginning 2020-2021)
- Non-athletes are welcome in the class upon approval of instructor, should numbers allow

This is an intense class designed to meet the needs of the serious athlete. This course will provide each individual with programs that will foster improvement in the areas of strength, power, flexibility, mobility, speed, agility, and muscular/cardiovascular endurance. Proper nutrition and sleep habits will be addressed. Pre- and post-testing in the areas of upper and lower body strength, power, speed, and agility will be recorded and evaluated. Form running and advanced running techniques will be taught as part of the speed development unit. Student-athletes will benefit from the opportunity to improve strength and conditioning during school hours while having additional time for enhancing academic responsibility and accountability outside of school. This course may be taken more than once. **ZERO-HOUR ADVANCED CONDITIONING** Class begins at 6:22 a.m. and students are responsible for their own transportation.

# PHYS ED

## PE LEADERS (6235)

1 Trimester

Grades 10-12

- **Prerequisite: PE 9 and Health Ed**
- **Recommendation required from special education case manager or PE teacher**

Students will assist and engage in physical activities alongside special education students to develop motor skills through the use of adaptive equipment and modified games and exercise programs. Some of the activities may include: volleyball, tennis, floor hockey, swimming, bocce ball, baggo, Special Olympic training, and fitness activities. Grading may include: assignments, activity log, participation, and written evaluations.

# SCIENCE

## SCIENCE DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
EARTH SCIENCE	92111/92112	9	Earth Science
HONORS EARTH SCIENCE	92161/92162	9	Earth Science
BIOLOGY	2221/2222	10	Biology
HONORS BIOLOGY	2261/2262	10	Biology
BASICS OF FORENSICS SCIENCE	2275	10-12	
ENVIRONMENT	2305	10-12	
BASICS OF AGRICULTURE I & II	2311/2312	11-12	Biology
ASTRONOMY	2315	10-12	
CHEMISTRY	2321/2322	11-12	Chemistry/Physics
HONORS CHEMISTRY	2331/2332	11-12	Chemistry/Physics
PHYSICS	2361/2362	11-12	Chemistry/Physics
ROBOTICS	2385	10-12	
PHYSIOLOGY	2411/2412/2413	11-12	
HONORS PHYSIOLOGY	2421/2422/2423	11-12	
AP BIOLOGY	2521/2522/2523	11-12	
AP CHEMISTRY	2531/2532/2533	11-12	
AP PHYSICS 1/C	2541/2542/2543	11-12	Chemistry/Physics
GVSU HEALTH CO-HORT COURSES	Application is required	12	

### **EARTH SCIENCE (92111/92112)**

**2 Trimesters**

**Grade 9**

This class introduces the tools and techniques used in our high school science program. Subjects covered include plate tectonics, weather, climate, oceans, astronomy, and processes that change the earth's surface. Content is aligned with state standards and testing.

### **HONORS EARTH SCIENCE (92161/92162)**

**2 Trimesters**

**Grade 9**

- **Prerequisite: Complete application & Scoring in the 90th percentile or above on the NWEA and MAP assessments**

This class is a fun and interesting introduction to honors level high school science courses. Freshmen who have demonstrated exceptional ability in their eighth grade science classes and want the benefits and challenge of an honors level class should consider this course. The class will take content areas of Earth Science to a greater depth than the regular Earth Science course integrating foundational principles of chemistry, physics and specific concepts of biology that will provide a benefit to students as they move forward. Content is aligned with state standards and testing

### **BIOLOGY (2221/2222)**

**2 Trimesters**

**Grade 10**

- **Prerequisite: Earth Science**

The emphasis is on cell biology and related concepts like cell anatomy, cellular metabolism, cellular growth and reproduction, DNA, and genetics. Other areas include overviews of plant and animal systems, classification, and ecology. This course articulates to Davenport University with Chemistry or Honors Chemistry.

### **HONORS BIOLOGY (2261/2262)**

**2 Trimesters**

**Grade 10**

- **Prerequisite: Honors Earth Science or B+ or better in regular Earth Science or teacher recommendation**

An accelerated course intended for the college-bound student who has an interest in science. The topics presented in Biology are covered in more detail. Lab work and research is emphasized. This course articulates to Davenport University with Chemistry or Honors Chemistry.



# SCIENCE

## **BASICS OF FORENSICS SCIENCE (2285)**

**1 Trimester**

**Grades 10-12**

The application of science in the investigation and solving of crimes using evidence collected from fingerprints, fiber analysis, ballistics, arson, blood spatters, blood samples and trace evidence analysis.

## **ENVIRONMENT (2305)**

**1 Trimester (Tri 1 & Tri 3)**

**Grades 10-12**

This course is designed to develop awareness and fact-based understanding of the current environmental issues facing our society. You will discuss issues that come up in the media and will then research and present an issue to the class as a major project. Another aspect of the course will be to develop a respect for the local Rockford environment by becoming familiar with the common plants and animals of the area and their usefulness for food, medicine, and enjoyment. Students will read, analyze, and discuss various essays relating to a number of environmental issues.

## **BASICS OF AGRICULTURE I AND II (2311/2312)**

**1 Trimester**

**Grades 11-12**

Students will gain knowledge on concepts within agriculture from a scientific perspective, focusing primarily on animal and plant production, natural resource management and food science. This course will include many hands-on projects and activities.

## **ASTRONOMY (2315)**

**1 Trimester**

**Grades 11-12**

This course is designed as an elective for students interested in pursuing a basic understanding of astronomy. Topics include the history of astronomy, our solar system, light and optics, constellations, stars and stellar life cycles, the natural history of the universe and the search for extraterrestrial life.

## **CHEMISTRY (2321/2322)**

**2 Trimesters**

**Grades 11-12**

- **Prerequisites: Algebra 1, Geometry, and Biology**
- **Corequisite: Algebra 2 minimum**

The unifying principles of science are developed in lecture. In this course, some laboratory work is used to make first-hand observations and draw conclusions. Collecting and interpreting data is used for part of the course. Main topics: atomic structure, naming and writing chemical formulas, stoichiometry, states of matter, reactions, and descriptive chemistry. This course articulates to Davenport University with Biology or Honors Biology.

## **HONORS CHEMISTRY (2331/2332)**

**2 Trimesters**

**Grades 11-12**

- **Prerequisite: A- or better in Biology, or B or better in Biology Honors and a grade of B or better in Algebra 2, and/or teacher recommendation**

This course is designed to elaborate the mathematical aspects of chemistry. This class serves as a foundation for the AP Chemistry class. This course articulates to Davenport University with Biology or Honors Biology.

## **PHYSICS (2361/2362)**

**2 Trimesters**

**Grades 11-12**

- **Prerequisite: Algebra 1, Geometry, and Biology**
- **Corequisite: Algebra 2 minimum**

A college-prep course covering topics such as laws of motion, dynamics of forces, properties of matter, electricity and magnetism, and theory of college physics.

## **ROBOTICS (2385)**

**1 Trimester**

**Grades 10-12**

Students will explore the world of robotics with a project based approach. Utilizing VEX Robotics, students will build, program, test, and refine their robot to complete a series of challenges. The second half of the class students will code Arduino Micro-controllers using the Java programming language, and wire circuits to build fun and interesting electronics that perform various functions building up in difficulty.

# SCIENCE

## **PHYSIOLOGY I, II, III (2411/2412/2413)**

**1 Trimester each**

**Grades 11-12**

An elective science class for 11th and 12th grades. The class is a lecture-based study of the systems of the human body.

- Physiology I emphasizes the body tissues, muscular & nervous systems
- Physiology II emphasizes the special senses, cardiovascular & blood systems
- Physiology III emphasizes the respiratory, digestive & urinary systems

Students may take one or two or three trimesters - any part or all - they are not sequential. This course articulates to Davenport University.

## **HONORS PHYSIOLOGY I, II, III (2421/2422/2423)**

**1 Trimester each**

**Grades 11-12**

- **Prerequisite or corequisite: Chemistry**

An elective science class for students who are interested in a more in-depth study of the human body. Especially suited for (but not limited to) students interested in careers in the health sciences. This class will emphasize the same systems of the human body as regular Physiology. A cat dissection is a lab requirement. This course articulates to Davenport University.

Students may take one or two or three trimesters - any part or all - they are not sequential.

At least one trimester of Physiology/Honors Physiology is required as a pre-requisite for the GVSU Allied Health Science courses.

## **AP BIOLOGY (2521/2522/2523)**

**3 Trimesters**

**Grades 11-12**

- **Prerequisites: Biology and Chemistry (Chemistry may be taken concurrently)**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

Students who succeed on the AP Exam may earn college Advanced Placement credit.

AP Biology is designed to be the equivalent of a two-semester college Biology course and should be taken after successful completion of Biology and Chemistry. Major biological topics such as *molecules and cells, heredity, and evolution* and *organisms and populations* are covered in greater depth than in the first-year Biology course. In addition, intensive lab-based requirements must be fulfilled.

## **AP CHEMISTRY (2531/2532/2533)**

**3 Trimesters**

**Grades 11-12**

- **Prerequisite: Honors Chemistry or Chemistry with teacher permission**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

Students who succeed on the AP Exam may earn college Advanced Placement credit.

Areas of chemistry not covered in Chemistry 1 will be covered, with five major areas of study that will be explored in detail: Structure of matter (20%); States of matter (20%); Reactions including, stoichiometry, equilibrium, electrochemistry, kinetics, thermochemistry, and redox (35-40%); Descriptive chemistry (10-15%) and; Laboratory (5-15%).

## **AP PHYSICS 1/C (2541/2542/2543)**

**3 Trimesters**

**Grades 11-12**

- **Prerequisite: Algebra 2**
- **Corequisite: Pre-Calculus minimum**

***Due to College Board guidelines, students scheduled in AP classes will need to make a commitment about AP testing and pay a \$40 deposit in the fall if they plan to test in May.***

A challenging college prep course covering topics such as Kinematics (Motion); Forces (Newton's Laws); Work, Energy and Power; Momentum; Circular Motion including Torque; and Oscillations. Students will receive substantial hands-on experience in the lab, on average about twice a week. The class previously titled Honors Physics has been aligned with the curriculum for AP Physics 1. All students will prepare for the AP 1 exam; in addition, students will have the option to also prepare for the AP Physics C: Mechanics exam if they desire. Students who succeed on the AP Exam may earn college Advanced Placement credit.

# SCIENCE

## GVSU HEALTH CO-HORT COURSES

3 Trimesters

Grade 12

- **Prerequisite: Honors Physiology and instructor recommendation**

Students are enrolled in GVSU's AHS 100 and 110 classes, taught at RHS by a GVSU staff member.

AHS 100 Medical Terminology: The construction and translation of common medical terms. 3 credits at GVSU.

AHS 110 Introduction to Health Care: Provides students with an introduction to the U.S. health care system and health-related professions they might enter. Content includes how healthcare is provided in the U.S., organizations involved in providing health care, and an introduction to the various health professions that students may enter as a career. 3 credits at GVSU.

# SOCIAL STUDIES

## SOCIAL STUDIES DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
WORLD STUDIES	94111/94112	9	World Studies
NATIONAL & GLOBAL ISSUES	94265	9	
MICHIGAN HISTORY	4125	10-12	
AMERICAN STUDIES	4211/4212	10	American Studies
ECONOMICS	4265 4255	10 11	Economics
WORLD CONFLICTS KOREA-VIETNAM	4335	11-12	
WORLD CONFLICTS WORLD WAR II	4345	11-12	
SOCIOLOGY	4365	11-12	
HISTORY OF WORLD RELIGIONS	4375	10-12	
GENERAL PSYCHOLOGY	4435	11-12	
US GOVERNMENT Zero-hour course number:	4455 4455Z	12	US Civics/Govt
AP US GOVT & POLITICS	4461/4462/4463	12	US Civics/Govt
AP PSYCHOLOGY	4471/4472/4473	12	
AP US HISTORY	4531/4532/4533	10-12	American Studies
AP ECONOMICS	4541/4542/4543	11-12	Economics
GVSU EDUCATION CO-HORT COURSES	Application is required	12	

### **WORLD STUDIES (94111/94112)**

**2 Trimesters**

**Grade 9**

- Spanish version available for Immersion students.

In World Studies A students learn about Medieval Europe, New Ideas and Empires, and Changes in European Society and Industrialization. Students will explore this history through map skills, multimedia, historical documents, and the class text, *World History: Human Legacy*. This class is prerequisite for World Studies B.

In World Studies B students will learn about Nationalism, The World at War, and the Contemporary World. Students will explore this history through map skills, multimedia, historical documents, and the class text, *World History: Human Legacy*. This course may only be taken upon successful completion of World Studies A.

### **NATIONAL & GLOBAL ISSUES (94265)**

**1 Trimester**

**Grade 9**

In National and Global Issues, students will take a National and Global look at current events and issues to gain a better understanding of the world around them. Topics that students will explore will include: Human Rights, Economic Development, Environmental Issues, and Political Discourse. Students will explore these areas through online media, television media, magazines, newspapers, and other materials provided in class. There is no prerequisite for this course. This course is not a prerequisite for any other course.

### **MICHIGAN HISTORY (4125)**

**1 Trimester**

**Grades 10-12**

Michigan History gives students the opportunity to get in touch with their state's history. The course starts with the geography component and the formation of Michigan. Students will travel through Michigan's history, learning about the different Native American tribes and cultures that inhabit Michigan. Students will have the opportunity to learn about the struggles and successes of Michigan statehood, while also taking a look at Michigan's active role in the nation's different wars. The second part of this class will focus on Michigan's job history, recreation, tourism, athletics, entertainment, and some of the strange occurrences that have been said to take place in Michigan.

# SOCIAL STUDIES

## **AMERICAN STUDIES (4211/4212)**

**2 Trimesters**

**Grade 10**

Required for graduation, unless AP U.S. History taken. American Studies A is a study of U.S. History from Industrialization through World War II, while Part B studies from the Origins of the Cold War to the Present. Both follow a chronological approach with the use of textbook and supplemental materials. This course is designed to help students understand our modern heritage in comparison to that which went before.

## **ECONOMICS (4255 grade 11, 4265 grade 10)**

**1 Trimester**

**Grades 10-11**

Required for graduation. This course is the study of macroeconomics (aggregate issues) and microeconomics (elements of economics). Topics covered include: market structure and free markets, supply and demand, financial markets, income distribution, poverty, taxation, GDP, the government's role in the economy, monetary and fiscal policy, and globalization. These concepts will be used to develop an understanding of modern-day economic problems. This course articulates to Davenport University.

## **WORLD CONFLICTS – KOREA-VIETNAM (4335)**

**1 Trimester**

**Grades 11-12**

This course will study all aspects of the Korean and Vietnam wars. Both wars will be studied from cultural, economic, and political perspectives. The chronological development of both wars will also be studied in great detail.

## **WORLD CONFLICTS - WORLD WAR II (4345)**

**1 Trimester**

**Grades 11-12**

This course will study all aspects of the Second World War. The war will be studied from cultural, economic, and political perspectives. The chronological development of World War II will also be studied in great detail.

## **SOCIOLOGY (4365)**

**1 Trimester**

**Grades 11-12**

An in-depth study of U.S. society, focusing on controversial issues facing America. Units covered will be Poverty, Discrimination, Sexism, Drug Abuse, Terrorism, and Crime. This course provides insight for those considering careers in criminal justice, education, social work, business, law, and politics. It examines the current issues of society and the impact they have on everyday life. This course articulates to Davenport University.

## **HISTORY OF WORLD RELIGIONS (4375)**

**1 Trimester**

**Grades 10-12**

This course is an opportunity for students to think deeply about life and examine how different groups explain complex questions surrounding creation, purpose, and death of humans. As students learn about the origins, spread, and beliefs of the 5 major world religions, they will also get the opportunity to engage in cultural experiences, discuss social issues, and participate in unique learning opportunities.

## **FOUNDATIONS OF HUMAN BEHAVIOR (4435)**

**1 Trimester**

**Grades 11-12**

This introductory course acquaints the student with Psychology and addresses foundational topics such as the biological basis of behavior, sensation and perception, sleep, learning memory, personality theory, intelligence and creativity, and research methods and theory. Students of all academic abilities will be introduced to the wide range of behaviors that make us uniquely human. This course articulates to Davenport University.

\*AP Psychology shares a good deal of content with the Foundations of Human Behavior class. Students are encouraged to take Foundations of Human Behavior OR AP Psychology rather than taking both.

## **U.S. GOVERNMENT (4455)**

**1 Trimester**

**Grade 12**

Required for graduation unless AP US Government & Politics is taken. This is a survey course exploring the organization and administration of our federal government. The purpose of this course is to become an informed and active voter and understand the various components involved in policy making at the national level. This course articulates to Davenport University. **ZERO-HOUR U.S. GOVERNMENT (4455Z)** Class begins at 6:22 a.m. and students are responsible for their own transportation.

# SOCIAL STUDIES

## **AP U.S. GOVERNMENT & POLITICS (4461/4462/4463)      3 Trimesters      Grade 12**

- Please consult your Social Studies teacher for advice about taking this class

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

This course fulfills US Government graduation requirement. The primary objective of this year-long course is to prepare students to take the AP U.S. Government & Politics exam in May, which may qualify students for college credit. AP US Government is designed to provide an intensive course of study for capable students who desire more than a basic understanding of the United States political system and issues of government. This course will require students to actively participate during class and will require students to work at a collegiate level, and will include between 15 and 30 minutes of study outside of class each evening. Students dropping after the first trimester must take and pass Government to meet the State and local graduation requirements.

## **AP PSYCHOLOGY (4471/4472/4473)      3 Trimesters      Grade 12**

- Prerequisite: minimum GPA of 3.2 or Social Studies teacher recommendation

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. This course is designed to present an experience equivalent to that obtained in a college undergraduate introductory psychology course. Students will also be prepared for the Advanced Placement examination in Psychology administered in May by the College Board.

\*AP Psychology shares a good deal of content with Foundations of Human Behavior. Students are encouraged to take General Psychology OR AP Psychology rather than taking both.

## **AP U.S. HISTORY (4531/4532/4533)      3 Trimesters      Grades 10-12**

- Prerequisite: minimum GPA of 3.0 or Social Studies teacher recommendation

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

This class fulfills the American Studies graduation requirement. This is a rigorous survey of American history equivalent to an introductory college course. Students will be eligible to take the AP U.S. History exam in May, which may qualify students for college credit. This course meets the "American Studies" graduation requirements if taken in full. Students with a D+ or lower after the second trimester will be asked to drop the class. Students dropping after the first trimester must take and pass American Studies A & B to meet the State and local graduation requirements; those dropping after two trimesters must take and pass American Studies B to meet graduation requirements.

## **AP MACROECONOMICS (4541/4542/4543)      3 Trimesters      Grades 11-12**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

This is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

## **GVSU EDUCATION CO-HORT COURSES      3 Trimesters      Grade 12**

Students in this co-hort group will take two education courses through Grand Valley State University.

EDF 115- Introduction to Education: An Exploration of Schooling in America- 3 credits This field-based course explores the way schools work and introduces students to the professional roles and responsibilities of educators. Students learn principles of teaching and learning, including social and cultural factors that shape learning outcomes. Students spend up to 30 exploratory hours in various educational settings.

HST 209- History and Social Studies for Elementary Teachers- 3 credits Introduces the basic content and methods of inquiry of history and social studies for students who plan to teach at the PK-6 grade levels. Students will develop knowledge, understanding, and application of the major concepts and modes of inquiry from the social studies disciplines with particular emphasis on history.

# TECH ED

## TECHNOLOGY EDUCATION DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
PRODUCT DESIGN AND FABRICATION	97005	9	VPAA & Computer Literacy
WORLD OF STRUCTURAL ENGINEERING TECHNOLOGY	7105	9-12	VPAA & Computer Literacy
WORLD OF ENERGY & TRANSPORTATION TECHNOLOGY	7125	9-12	VPAA & Computer Literacy
WORLD OF COMPUTER-AIDED DRAFTING (CAD) TECHNOLOGY	7135	9-12	VPAA & Computer Literacy
WORLD OF MANUFACTURING ENGINEERING TECHNOLOGY	7145	9-12	VPAA & Computer Literacy
WORLD OF WOODWORKING TECHNOLOGY	97175 7175	9 10-12	VPAA
WORLD OF TECHNOLOGY ADVANCED WOODS	7176	10-12	VPAA
INTERIOR DESIGN	7185	10-12	VPAA
APPLIED ARCHITECTURAL CAD 1	7225	10-12	VPAA
APPLIED ARCHITECTURAL CAD 2	7226	10-12	VPAA
APPLIED ENGINEERING CAD 1	7235	10-12	VPAA
APPLIED ENGINEERING CAD 2	7236	10-12	VPAA
APPLIED ENERGY & TRANSPORTATION TECHNOLOGY	7245/7246	10-12	VPAA
TECH ED LEADERS	7255	11-12	VPAA

### **PRODUCT DESIGN & FABRICATION (97005)**

**1 Trimester**

**Grade 9**

This course is designed to be a project-oriented introduction into the World Level courses offered at the high school. The hands-on projects will primarily focus on the areas of woodworking, manufacturing, robotics, and energy & transportation. The emphasis for all projects will be centered on design, fabrication, testing, and production phases. The purpose of this class is to let students explore new areas of technology while building on the foundations established at the middle school.

### **WORLD OF STRUCTURAL ENGINEERING TECHNOLOGY (7105)**

**1 Trimester**

**Grades 9-12**

- **Prerequisite Grades 10-12: None**
- **Prerequisite Grade 9: Product Design and Fabrication**

Students will be introduced to basic concepts dealing with construction and structural engineering. Students will be exposed to various problem-solving situations in areas including: construction systems, planning and management, structural design, and material testing. The class will include the production of prototype models and/or full-scale production of various construction styles.

### **WORLD OF ENERGY & TRANSPORTATION TECHNOLOGY (7125)**

**1 Trimester**

**Grades 9-12**

- **Prerequisite Grades 10-12: None**
- **Prerequisite Grade 9: Product Design and Fabrication**

In this area of physical technology, the student will be exposed to several concepts related to energy and transportation. In this course the student will convert energy from one form to another. In addition, the student will work with gear ratios and radio control systems. Energy and Transportation will combine physics, engineering, and a hands-on problem solving approach to education. Emphasis will be placed on critical thinking and group work.

# TECH ED

**WORLD OF COMPUTER-AIDED DRAFTING (CAD) TECHNOLOGY (7135)**      **1 Trimester**      **Grades 9-12**

- **Prerequisite Grades 10-12: None**
- **Prerequisite Grade 9: Product Design and Fabrication**

This course will focus on technical drawing (*drafting techniques*) in both architectural and engineering drawing design. Students will be utilizing different types of AutoCAD (*computer-aided design*) software throughout the Trimester. We will be drawing in both 2D and 3D environments, giving the student insight into the 21<sup>st</sup> century industrial design field. Students will also be exposed to other software and hardware devices including: 3-D printer, AutoCAD, AutoCAD Architecture, and Microsoft Office products.

**WORLD OF MANUFACTURING ENGINEERING TECHNOLOGY (7145)**      **1 Trimester**      **Grades 9-12**

- **Prerequisite Grades 10-12: None**
- **Prerequisite Grade 9: Product Design and Fabrication**

The students will be exposed to various aspects of manufacturing, including product design, material handling, computer-aided design, and manufacturing. Students will develop manufacturing teams responsible for the designing and mass production of a product using computer-controlled lathes and mills (*CAD CAM*).

**WORLD OF WOODWORKING TECHNOLOGY 1 (97175 9<sup>th</sup>; 7175 10<sup>th</sup>-12<sup>th</sup>)**      **1 Trimester**      **Grades 9-12**

- **Prerequisite Grades 10-12: None**
- **Prerequisite Grade 9: Product Design and Fabrication**

This is a hands-on course designed to introduce the students to various woodworking processes and techniques. The student will focus on building various required projects using hand and power tools and machinery. Students will gain an insight into designing and manufacturing wood-based products.

**WORLD OF TECHNOLOGY ADVANCED WOODS (7176)**      **1 Trimester**      **Grades 10-12**

- **Prerequisite: World of Woodworking Technology 1**

Advanced Woods is building upon concepts learned in World of Woodworking Technology 1. This advanced course allows more complex and advanced projects to be built. Projects to choose from include a desk, coffee table, sofa table, dresser, bookcase or bed. More time is spent carrying out innovative projects rather than learning about the fundamentals. This course may be repeated for credit.

**INTERIOR DESIGN (7185)**      **1 Trimester**      **Grades 10-12**

This course is designed to teach students the elements of design. Students learn to create an impact through the use of color, fabrics and textures. Instruction includes the history of interior design, furniture styles, design theory, and project presentation. Students will learn to determine the scope of a project, develop and present a proposal, and implement a project. Communication skills, interpersonal skills, teamwork, and ethics are addressed. English language arts and math are reinforced throughout the course. In this course, students will: Learn CAD skills to create floor plans with dimensions and labels. Explore the Elements of Design, including: Color, Line, Shape and Form, Space, and Texture. Explore the Principles of Design, including: Variety and Unity, Scale and Proportion, Rhythm, Balance, and Emphasis. Explore significant historical developments and styles of architecture through technology, museum visits, and home tours. Demonstrate the appropriate use of fabrics and textures in various design applications throughout projects. Determine the scope of a project and develop a proposal based on the client's goals, space considerations, budget, and time frame.

**APPLIED ARCHITECTURAL CAD 1 (7225)**      **1 Trimester**      **Grades 10-12**

- **Prerequisites:**      **World of CAD Tech**  
                                 **One other World Tech class and a B- average or better in Tech Ed**  
                                 **Teacher permission**

This class is designed for students interested in architecture, civil engineering, construction management, building trades, and other related trades. The curriculum is structured to use Architectural Desktop and its related software as the medium for a study in residential and commercial architectural design. Students will be introduced to various design and structural components related to engineering and architecture including such areas as: residential house design, structural design of buildings, commercial layout and design, parking lot design, landscape architecture, material take-offs, estimation, and presentation drawings. All students will complete a project for a statewide contest.



# TECH ED

## **APPLIED ARCHITECTURAL CAD 2 (7226)**

**1 Trimester**

**Grades 10-12**

- **Prerequisites:** **Applied Architectural CAD 1**  
**B- average or better in Tech Ed.**  
**Teacher permission**

This is a continuation of the Applied Architectural CAD 1 class, allowing the student to further their work in the architectural design field. Students will be introduced to various types of working drawings not covered in Applied Architectural CAD 1. Students will be designing presentation and working drawings for both residential and commercial structures. All students will complete a project for a statewide competition. Repeatable for credit.

## **APPLIED ENGINEERING CAD 1 (7235)**

**1 Trimester**

**Grades 10-12**

- **Prerequisites:** **World of CAD Tech**  
**One other World Tech Class and a B- average or better in Tech Ed**  
**Teacher permission**

This class is designed for students interested in various engineering fields, mechanical drafting, and technical drafting. The curriculum is structured to use AutoCAD and Inventor as the basic drawing medium with a strong emphasis in engineering drawing and design. The course will develop the student's ability in various techniques of working and presentation-style drawings as they are being used in industry today. Various technology devices will be used to enhance the student's skills in these areas, e.g., computer generation, scanners, digital cameras, printers, and plotters. Product development and part design will be stressed as a main outcome in all assignments. A strong emphasis in 2D and 3D skills and techniques will be discussed and utilized throughout the course.

## **APPLIED ENGINEERING CAD 2 (7236)**

**1 Trimester**

**Grades 10-12**

- **Prerequisites:** **Applied Engineering CAD 1**  
**B- average or better in Tech Ed**  
**Teacher permission**

This is a continuation of the Applied Engineering CAD 1 class, allowing students to further their work in the engineering-drafting field. Students will continue to utilize their CAD and design skills with emphasis being put on real-world design problems, focusing on the use of parametric solid modeling. Repeatable for credit.

## **APPLIED ENERGY & TRANSPORTATION TECHNOLOGY (7245/7246)**

**1 Trimester each (T1 & T3)**

**Grades 10-12**

- **Prerequisites:** **World of Energy/Transportation and WT CAD**  
**B- average or better in Tech Ed**  
**Teacher permission**

This class will expand already-acquired knowledge of Technology. Students will work with the electric race car and gain knowledge in DC electrical circuits, design (CAD), manufacturing (CNC), mechanical (gears and ratios), and ergonomics (seat and comfort). Repeatable for credit.

## **TECH ED LEADERS (7255)**

**1 Trimester**

**Grades 11-12**

- **Prerequisite:** **Recommendation required from special education case manager or Tech Ed teacher**

Students admitted to this class will be paired with a special education student for each project. This class will focus in hands-on projects. Each team will be planning and building a construction project. Skills expected to be demonstrated are: sanding; painting; use of drill; use of hammer; perform a twenty-point check on a car, i.e., air pressure, fluid levels, etc., and; thoroughly detail an automobile.

# WORLD LANGUAGES

## WORLD LANGUAGES DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
FRENCH 1	95111/95112	9-12	World Language year 1
FRENCH 2	5121/5122	10-12	World Language year 2
FRENCH 3	5131/5132	11-12	
FRENCH 4	5141/5142	12	
FRENCH 4 ADVANCED TOPICS	5143	12	
GERMAN 1	95211/95212	9-12	World Language year 1
GERMAN 2	5221/5222	10-12	World Language year 2
GERMAN 3	5231/5232	11-12	
AP GERMAN LANGUAGE	5241/5242/5243	12	
SPANISH 1	95311/95312	9-12	World Language year 1
SPANISH 2	5321/5322	10-12	World Language year 2
SPANISH 3	5331/5332	11-12	
SPANISH 4	5341/5342	12	
AP SPANISH LANGUAGE	5351/5352/5353	12	
SPANISH IMMERSION	See page 52		
CHINESE 1	5461/5462	9-12	World Language year 1
CHINESE 2	5471/5472	10-12	World Language year 2
CHINESE 3	5481/5482	11-12	
CHINESE 4	5491/5492	12	

### **FRENCH 1 (95111/95112)**

**2 Trimesters**

**Grades 9-12**

French 1 students will gain skills to build their ability to speak, listen, read, and write. Grammar, structure, and vocabulary are targeted. Students will also enjoy exposure to French music, food, and culture.

### **FRENCH 2 (5121/5122)**

**2 Trimesters**

**Grades 10-12**

- **Prerequisite: C or higher in French 1 is encouraged**

Students learn more complex structures, building on what they learned in French 1. They will learn the future tense and past tenses. Their vocabulary base will continue to expand, which will enable them to converse about a broader range of daily activities. Students will continue to grow in their knowledge of French culture. This course articulates to Davenport University.

### **FRENCH 3 (5131/5132)**

**2 Trimesters**

**Grades 11-12**

- **Prerequisite: C or higher in French 2 is required**

This is a big year for complex grammar structures as well as verb tenses and moods. Students will make a giant leap in their French by learning a variety of object pronouns. They will complete a variety of readings, projects, and other activities throughout the year. Students will continue to grow in their knowledge of French culture. This course articulates to Davenport University.

### **FRENCH 4 (5141/5142)**

**2 Trimesters**

**Grade 12**

- **Prerequisite: C or higher in French 3 is required**

At this level, students perfect their grammar skills while learning a few more complex structures and tenses. The majority of this year is spent reading authentic French literature and completing a variety of writing, reading, and speaking assignments. Students will continue to grow in their knowledge of French culture. This course articulates to Davenport University.

# WORLD LANGUAGES

## **FRENCH 4 ADVANCED TOPICS (5143)**

**1 Trimester**

**Grade 12**

- **Prerequisite: French 4**

French 4 Advanced Topics is a 3<sup>rd</sup> trimester spring course for those students who have completed French 1-4. Topics studied are French history, literature, current events and contemporary life. This class is a prep course for the CLEP test, which will be taken in the spring here at Rockford. The CLEP test gives students an opportunity to receive college credit for French.

## **GERMAN 1 (95211/95212)**

**2 Trimesters**

**Grades 9-12**

The student communicates at a beginning proficiency level, developing listening comprehension, speaking, reading, and writing skills as he/she works with course materials such as CD-ROM. The new vocabulary focuses on the student and his/her environment, and he/she begins to compare our culture to the cultures in countries where German is the predominant native language. This course will enable the student to become a more knowledgeable world citizen. This class articulates to Davenport University.

## **GERMAN 2 (5221/5222)**

**2 Trimesters**

**Grades 10-12**

German 2 reviews and builds upon the foundations laid in German 1. It presents more complex grammatical structures, expands functional vocabulary, and increases knowledge of German-speaking cultures with an emphasis on geography. Communicative activities, such as writing friendly letters, are the key to progress. This course articulates to Davenport University.

## **GERMAN 3 (5231/5232)**

**2 Trimesters**

**Grades 11-12**

- **Prerequisite: C or better in German 2**

German 3 reviews and builds upon the foundations laid in German 1 and 2. There are a variety of readings (short stories, short novels, articles, comics, etc.), new vocabulary is introduced in context, and the student's understanding of life in Germany, Austria, and Switzerland will be enhanced. More advanced grammatical structures are introduced while the student engages in communicative activities such as writing business letters or creating videos. This course articulates to Davenport University.

## **AP GERMAN LANGUAGE (5241/5242/5243)**

**3 Trimesters**

**Grade 12**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

This course emphasizes the use of the language for communication, cultural fluency, and community-building. Students will use vocabulary, grammar, and syntax, together with a host of media resources to gain an intermediate proficiency. They will understand spoken German in formal and informal situations, read various types of writing, and express ideas orally and in writing with fluency and accuracy.

## **SPANISH 1 (95311/95312)**

**2 Trimesters**

**Grades 9-12**

Language study is like building a house. Spanish 1 is where we dig the foundation. Students will acquire basic grammar structures, build vocabulary, experience Hispanic culture, as well as work on listening and reading comprehension. Students will begin to develop speaking skills.

## **SPANISH 2 (5321/5322)**

**2 Trimesters**

**Grades 9-12**

In our analogy of house-building, Spanish 2 is where we build the structure of the house. Students will expand their use of grammar structures and vocabulary. They will solidify listening and reading comprehension and develop writing skills. Spanish 2 includes exposure to Hispanic culture. By the end of Spanish 2, students should be speaking at a basic level. This course articulates to Davenport University.

## **SPANISH 3 (5331/5332)**

**2 Trimesters**

**Grades 10-12**

- **Prerequisite: C in Spanish 2 required**

Once the foundation is laid in Spanish 1 and the house is built in Spanish 2, Spanish 3 is where we decorate. With more advanced language study, students will develop an appreciation of the Spanish language. Spanish 3 will introduce advanced grammar structures and vocabulary. Students will develop strong writing skills. Spanish 3 students will experience Hispanic culture through language study. Students in Spanish 3 will be able to speak comfortably by the end of the course. This course articulates to Davenport University.

# WORLD LANGUAGES

## **SPANISH 4 (5341/5342)**

**2 Trimesters**

**Grades 11-12**

- **Prerequisite: C in Spanish 3 required**
- **Spanish Immersion students may take this course in 10<sup>th</sup> grade**

To complete our house-building analogy, Spanish 4 is where we move into the house. In this course, students will practice speaking Spanish daily. The focus of the class will be vocabulary enrichment through native texts and listening experiences and reacting in the language. Students will be able to process thought in Spanish as well as communicate with native speakers. Current Juniors with an A in Spanish 3, can skip Spanish 4 to be able to take AP Spanish Language and Culture. This course articulates to Davenport University.

## **AP SPANISH LANGUAGE (5351/5352/5353)**

**3 Trimesters**

**Grade 12**

- **Prerequisite: C in Spanish 4 required**
- **Spanish Immersion students may take this course in 11<sup>th</sup> grade**

***Due to College Board guidelines, students scheduled in all AP classes will need to make a commitment about AP testing and pay a \$40.00 deposit in the fall, if they plan to take the AP test in May.***

Students interested in developing their language skills more quickly and who want to prepare for the AP Spanish Language Test to earn college credit for their high school work should sign up for this course. In this course, students will practice speaking Spanish daily. The focus of the class will be vocabulary enrichment and reacting in the language. Students will be able to process thought in Spanish as well as communicate with native speakers. In addition, students will develop analytic and synthesis writing and speaking skills to prepare for the AP exam. Students who want to maintain and build their Spanish skills for future use should take AP Spanish Language. Not all students who take this course are required to take the AP test.

## **CHINESE 1 (5461/5462)**

**2 Trimesters**

**Grades 9-12**

This course will provide students with a basic introduction to Chinese language, society, and culture. Particular attention will be paid to developing proper Mandarin pronunciation and basic reading and writing skills, and learning simple phrases and language/situational survival skills.

## **CHINESE 2 (5471/5472)**

**2 Trimesters**

**Grades 10-12**

Chinese 2 is a continuation of Chinese 1. Students will continue learning new vocabulary, new characters, etc.; however, a significantly greater emphasis will be placed on speaking Chinese – both in class and on your own.

## **CHINESE 3 (5481/5482)**

**2 Trimesters**

**Grades 11-12**

- **Prerequisite: Minimum grade of C+ in Chinese 2**

Chinese 3 is a continuation of Chinese 2, with a much greater emphasis on reading comprehension. In addition to learning new vocabulary, students will begin reading selected Chinese moral tales and short stories.

## **CHINESE 4 (5491/5492)**

**2 Trimesters**

**Grade 12**

- **Prerequisite: Minimum grade of C+ in Chinese 3**

Chinese 4 is an upper-level, reading-intensive Mandarin Language class for students who have completed Chinese 3. Students will be reading a variety of articles and idiom stories in Chinese.

# WORLD LANGUAGES

## SPANISH IMMERSION 9<sup>th</sup>-12<sup>th</sup> Grade Courses

### **SI WORLD STUDIES (94151/94152) AND SPANISH LANGUAGE ESSENTIALS (94153) 3 Trimesters Grade 9**

Students in 9th grade Spanish Immersion should be enrolled in SI World Studies. This class will be offered 1st and 2nd Trimesters. This is the Spanish Immersion equivalent to the English Word Studies class. The SI History of Spain portion of the course is offered 3<sup>rd</sup> Trimester and will teach students about Spain, while enhancing their grammar skills.

### **SPANISH IMMERSION 10 (5361/5362) 2 Trimesters Grade 10**

- **Prerequisite: SI World Studies**

This course is designed to strengthen grammatical accuracy and language skills in all areas of communication (speaking, reading, writing, and listening), while enriching vocabulary. Spanish literature and culture are a critical component of this course.

### **SPANISH IMMERSION 11 (5363/5364) 2 Trimesters Grade 11**

- **Prerequisite: Spanish Immersion 10 or Teacher Recommendation**

This course is designed to strengthen grammatical accuracy and language skills in all areas of communication (speaking, reading, writing, and listening), while enriching vocabulary. Spanish literature and culture are a critical component of this course. This course is a continuation of the Spanish Immersion 10 course.

### **AP SPANISH LANGUAGE (5351/5352/5353) 3 Trimesters Grades 11-12**

- **Prerequisite: Spanish Immersion 10 and Teacher Recommendation or Spanish Immersion 10 and Spanish Immersion 11**

Students will learn in SI Sociology and Structures who would be recommended to take AP Spanish Language. This is a high level course where students will have the option to take the AP College Board Exam in the Spring.

### **FSU SPANISH MINOR CO-HORT COURSES 3 Trimesters Grade 10-11**

- **Prerequisite: SI World Studies and Advanced Low scores on the proficiency test**

Students in this co-hort group will take two Spanish courses through Ferris State University. The courses will alternate each year.

SPAN 323- Survey of Spanish Literature- 3 credits This course introduces advanced undergraduate students to Spain's most representative writings and writers from the Middle Ages to present times. Readings are complemented with the necessary historical background for better comprehension. Readings cover diverse literary genres such as: fiction, drama, poetry, and essays. Emphasis on contemporary readings and authors. Taught in Spanish. Meets General Education requirements for Culture and Global Diversity.

SPAN 333- Contemporary Culture-Soc of Spain- 3 credits Outlines of history and geography precede the introduction to the culture and society of Hispanic America, especially Mexico. Lectures, films, and works of fiction and nonfiction give a general overview of daily life in Hispanic countries. Taught in Spanish. This course meets General Education requirements: Global Consciousness; Cultural Enrichment and new Fall 2017 Culture, Global Diversity, Problem Solving and Collaboration.

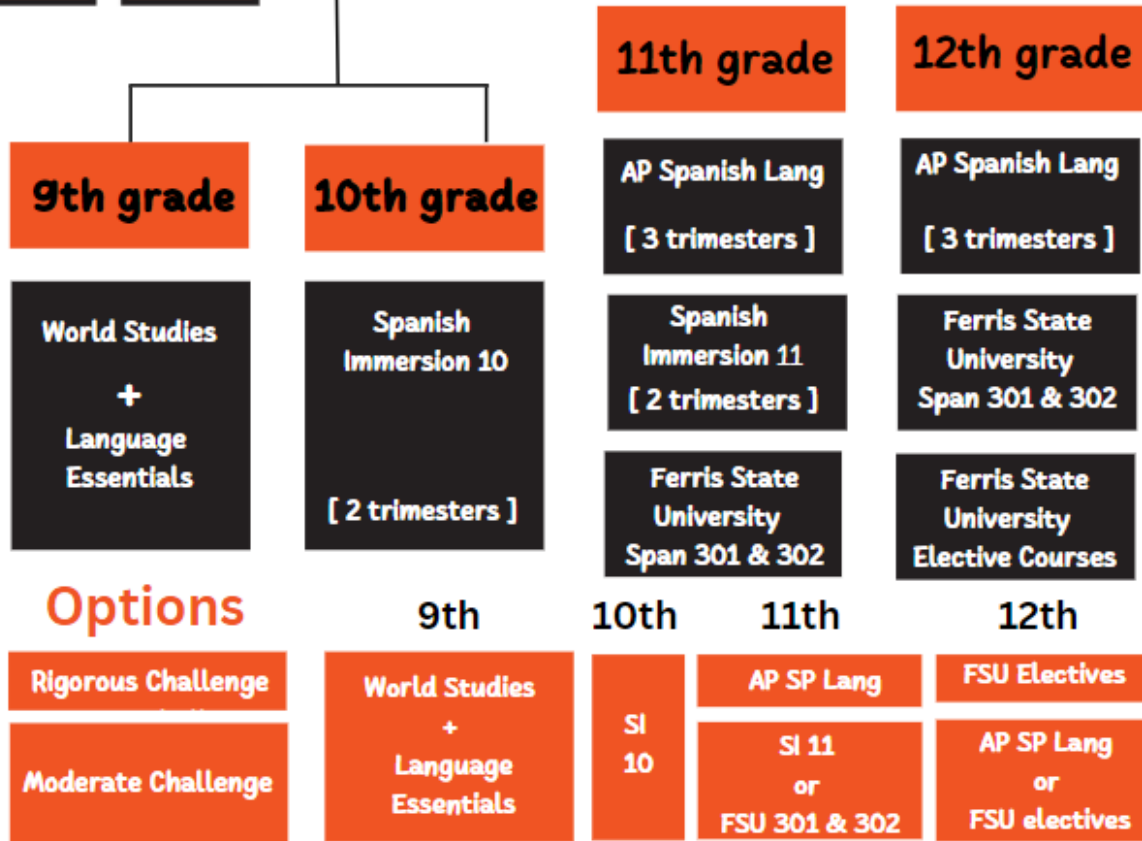
SPAN 343- Hispanic Cinema – 3 credits This course improves students' cultural and linguistic competency through the analysis and discussion of select films produced in the Spanish speaking world. Students actively participate in daily discussions, video presentations, as well as reading and writing assignments. Develops students' critical thinking skills regarding the culture, history, politics and social problems depicted in film. Taught in Spanish. This course meets General Education requirements Cultural Enrichment and Global Consciousness and new Fall 2017 Culture and Global Diversity. Prerequisites: SPAN 202 with a grade of C or better or instructor approval.

SPAN 350- Spanish and Culture for the Professions- 3 credits This course is designed to enhance Spanish communication skills and cultural knowledge for use in professional settings. This course covers a broad spectrum of career areas and will be beneficial to all professionals who want to communicate with the Spanish-Speaking community, both in the United States and abroad. It stresses cultural components used among Spanish speakers in the U.S. and abroad, formal and informal contexts of communication, and other unique linguistic features in Spanish dialects; such as Spanglish and code-switching. Students are also introduced to the concepts and practice of translation and interpretation.

# WORLD LANGUAGES

# R ROCKFORD HIGH SCHOOL

## SPANISH IMMERSION COURSES



# OTHER

## OTHER COURSES

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
S.T.E.P.S.	7915	11	
CLEP TEST PREP	7916	11-12	
STUDENT COUNCIL LEADERS	7921/7922/7923	11-12	
INTRO LINKS	7942	9-12	
DESIGN AND INNOVATION	7955	9-12	
DESIGN AND INNOVATION 2	7956	11-12	
WORLD CULTURES	5405	10-12	

### **S.T.E.P.S. STUDENT TRANSITION EDUCATION PREPARATION SKILLS (7915)**

**1 Trimester**

**Grade 11**

Students will prepare for college admission tests, receive information on the transition to college and other post-high-school options, financial aid, admissions requirements, and work on finding the best college fit.

### **CLEP TEST PREP (7916)**

**1 Trimester**

**Grades 11-12**

This course allows students to select a specific CLEP Test and independently work through study modules with the support of a certified teacher. Students that register for this class are required to register and pay for a CLEP Test which they will take at RHS at the end of the trimester course. CLEP exams are primarily multiple-choice exams that are scored on a scale from 20 to 80. CLEP exams are administered via online mode and the results are shared immediately. CLEP exams take between 90 to 120 minutes to complete and the fee for each test is \$89. There is an additional fee of \$10 for the optional essay portion of some of the exams. There will be financial assistance if needed.

### **STUDENT COUNCIL LEADERS (7921/7922/7923)**

**3 Trimesters**

**Grades 11-12**

- **Teacher permission required**

This Leadership class provides the opportunity for more students to be with the Advisor during the school day to work on student activities, community service projects, and all other major events put on by Student Council each year, such as Homecoming Events, Drive-In Movies, Prom, AcadaMe Awards, etc. Students will study Financial Peace, and read about and research various leaders as well. Lastly, they will be required to serve six hours of community service each trimester and attend all Student Council events and meetings.

### **INTRO LINKS (7941)**

**1 Trimester**

**Grades 9-12**

Intro LINKS is a prerequisite elective course that aims to connect students from both general and special education programs at RHS in an effort to cultivate meaningful relationships and a sense of belonging within our community. This program offers enriching opportunities for all, but is especially wonderful if you are considering teaching as a future career path. This introduction course will teach non-disabled peers about the basics of various disability categories. It will train general education students on better understanding and adapting to individual differences within the school setting. This course will prepare students to be a LINK next academic school year.

### **DESIGN AND INNOVATION (7955)**

**1 Trimester**

**Grades 9-12**

There are problems that need to be solved everywhere, and people need to solve them. Your ability to create and innovate puts you in a position to solve those problems. This course will help you develop the skills and tools to work through the processes of design-thinking and human-centered design to become that problem-solver who can see challenges that others do not and ideates toward solutions that others might miss. But you will not only learn to see and design for solutions. You will also create and build those solutions and pitch them to their end-users.

# OTHER

## **DESIGN AND INNOVATION 2 (7956)**

**1 Trimester**

**Grades 11-12**

- **Prerequisite: Design and Innovation 1**

This course will take all the best of Design and Innovation 1 and move it into a space where you will add project management experience, sharpen your practice of the S.P.R.I.N.T. process and Human-Centered Design and Design Thinking from Design and Innovation 1 and then take your skills to the real world. As a class team we will partner with local businesses and organizations to help create solutions to real world problems. Plus, this course will launch your problem-solving skills for your future, wherever it brings you.

## **WORLD CULTURES (5405)**

**1 Trimester**

**Grades 10-12**

Discover the world through its traditions, celebrations, foods, and music. You never know where you'll "travel" next in this class. This is an elective with no prerequisite that will allow students to discover global connections and build an awareness of cultural diversity presentations, participation, and exploration.

## **INDEPENDENT STUDY**

**1 Trimester**

**Grade 12**

- **Teacher and administrator permission is required**
- **Study may be planned in an hour that is not the teacher's prep hour**

Independent Study is a provision for students to do advanced work or meet special needs where a specific class is not available or offered. The student should seek out a qualified teacher willing to work with him or her on an Independent Study, and the student and teacher will complete the appropriate paperwork, available in the Counseling Office.

## **CONCURRENT ENROLLMENT (Ferris State University)**

Students in certain RHS courses may have the opportunity to earn college credit at Ferris State University as they take the course at RHS. In 2018-2019, the courses were Senior Composition, AP Calculus, and AP English. It is possible that offerings may be expanded in the future. See your school counselor for details.

## **ONLINE COURSES**

Students may request to take courses through an online provider under certain conditions, primarily electives. See your school counselor for details.

## **DUAL ENROLLMENT**

Students may be eligible to enroll in one or more qualifying college classes in subjects not offered at Rockford High School. The student and the course must meet RHS dual enrollment guidelines. See your school counselor for details.



# OTHER

## DUAL ENROLLMENT LETTER:

*Dear Student:*

*Effective April 1, 1996, Public Act 160 and Public Act 258 of 2000, created the Postsecondary Enrollment Options Act, commonly referred to as dual enrollment. This law directs school districts to assist students in paying tuition and fees for courses at Michigan public or private colleges or universities. The following are some of the eligibility guidelines/standards:*

- 1. Students in grades 9 through 12 may take up to ten postsecondary courses.*
- 2. Students can qualify for dual enrollment by taking one of the following assessments: PSAT, PLAN, EXPLORE ACT, or MME.*
- 3. 388.155 Rule 5 (2) The acts do not prohibit a district from supporting any pupil regardless of eligibility under these acts. A district may elect to support college level courses or career preparation courses for any pupil if it is in the best interest of the pupil.*
- 4. Students must be enrolled in both the eligible school (public or private) and eligible postsecondary institution during the local school's regular academic year and must be enrolled in at least one high school class.*
- 5. The college courses cannot be a hobby, craft, or recreation course, or in the subject areas of physical education, theology, divinity, or religious education.*
- 6. School districts are required to pay an amount equal to the prorated percentage of the statewide pupil-weighted average foundation allowance, based on the proportion of the school year that the eligible student attends the eligible postsecondary institution. Eligible charges include tuition and mandatory course fees, material fees, and registration fees required by an eligible institution for enrollment in the course. Eligible charges do not include transportation or parking costs or activity fees. Please review the contents of this letter with your parents. If you believe you are eligible for dual enrollment, qualify for tuition and fee support, and wish to participate, contact your counselor for more details.*

*Sincerely,*

*Mr. Hosford*

<b>Engineering, Manufacturing, Industrial Technology</b>
Applied Construction Technology
Auto Collision Repair
Automotive Technology
Aviation Electronics (Satellite Location)
Aviation Maintenance Technology (Satellite Location)
Diesel & Equipment Technology
Engineering & Architectural Design
Heating, Air, Refrigeration (HVACR)
Mechatronics
Precision Machining Technology
Welding Technology
<b>Business, Management, Marketing, &amp; Technology</b>
Entrepreneurship & Marketing
Networking & Cybersecurity (IT)
Marketing and Design
<b>Natural Resources &amp; Agriscience</b>
Agriscience for Plants & Animals
<b>Arts &amp; Communication</b>
Digital Animation & Game Programming
Graphic Communications
<b>Human Services</b>
Criminal Justice (separate application is required)
Hospitality & Culinary
Teacher Academy
<b>Health Sciences</b>
Biomedical Technology & Research (3.0 GPA required; GVSU affiliated, Satellite Location)
Diagnostics ( <b>Seniors ONLY</b> )
Health Career Foundations
Nurse Tech/Patient Care Tech (NT/PCT) ( <b>Seniors ONLY</b> )
Emergency Medical Technician (EMT) ( <b>Seniors ONLY</b> )
Medical Assistant (MA) ( <b>Seniors ONLY</b> )
Pharmacy Technician ( <b>Seniors ONLY</b> )

**REGISTRATION NOTES:**

If you have submitted a *KCTC Enrollment Information Form* at RHS, a KCTC placeholder has been added.

Students who have not yet submitted the enrollment request form may still complete it. They should also add electives to their course request in case they are not accepted.

KCTC admittance is usually announced in late April.

For specific information on these programs, visit [www.thetechcenter.org](http://www.thetechcenter.org) or see your counselor.

Applications are available through the high school beginning in February and some programs fill quickly. For students in grades 11 & 12 only unless stated otherwise. Certain KCTC courses may count as a 4<sup>th</sup> math credit if you have completed Algebra 2. See your counselor for details.

