

# ROCKFORD HIGH SCHOOL

## COURSE DESCRIPTION AND CURRICULUM GUIDE

2017 - 2018



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

ROCKFORD HIGH SCHOOL  
FRESHMAN CENTER  
4500 KROES ROAD NE  
ROCKFORD, MI, 49341  
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## IGNITE A PASSION; BUILD A FUTURE!

### News for 2017-2018:

#### New Courses:

- Computer Science Principles 1 & 2 (grades 9-12): page 16
- AP Computer Science Principles (grades 10-12): page 16
- All About Foods (grades 10-12): page 20
- Statistical Reasoning in Sports (grades 10-12): page 28
- Orchestra now open to grades 9-12: page 31
- Asian Studies (grades 10-12): page 48
- Service Learning: Project Management (grades 10-12): page 49

#### Changes:

- Pottery 2 and Metal Smithing & Jewelry 2 may be repeated for credit
- Independent Living and Parenting Psychology: updated content

#### Zero-hour options if sufficient enrollment:

- Business & Personal Finance
- Advanced Conditioning T2 & T3
- US Government
- French 3
- AP German



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## **WELCOME**

Welcome to Rockford High School, home of the RAMS!! Rockford High School has a rich tradition of success both in and out of the classroom. Our staff is committed to providing outstanding academic opportunities and other supportive services for our students, parents, and community.

## **MISSION STATEMENT**

**Ignite a Passion; Build a Future!**

## **ACCREDITATION AND ACADEMIC EXCELLENCE**

Rockford High School is proud to be recognized as a Michigan Blue Ribbon Exemplary School and is fully accredited by AdvanceED, formally known as NCA (North Central Association of Schools and Colleges), and has been since 1926. Rockford High School has been continuously accredited by the University of Michigan for many years. It is important to note that all Rockford Public Schools buildings are 100 percent Blue Ribbon certified! Rockford High School has also been recognized by the State of Michigan and is an Advanced Placement Achievement District. This means that Rockford meets the highest standards of accreditation, that our teachers have all been given specific training for their fields of teaching, and that administration and guidance personnel have been specifically trained for their positions.

We are very proud of our long-standing commitment to excellence!

## **EXTRACURRICULAR EXCELLENCE**

Beyond academics, our students are offered state- and nationally-recognized fine arts programs, comprehensive and varied club and intramural activities, as well as 34 varsity athletic opportunities - with 55 state championships to date. There are three school-sanctioned athletic clubs: dance, equestrian, and rugby. The RHS TV Studio program has won the Michigan High School TV Station of the Year award eight times. Our district has nine world championships in Odyssey of the Mind. Rockford High School is also deeply committed to community service. Our students are involved in many projects that support our community and the greater Grand Rapids area, as well as international causes.

Parental and community support of our schools are second to none.

*Rockford High School is an equal opportunity institution and does not discriminate on the basis of race, creed, color, national origin, age, sex or physical/mental disability in its educational programming, enrollment, employment or contracting.*

## **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.

### **A NOTE ABOUT "TEAM-TAUGHT" CLASSES**

Courses in which a student enrolls, and listed on the student schedule with two teachers for the same class, the same hour, are commonly referred to as "Team-Taught" classes. These courses are the same academically as a class which isn't teamed. The

lead teacher is a regular-education teacher in that subject area who delivers the same instruction, assignments, and assessments as in a non-teamed class. There is a second teacher who provides extra assistance to students as needed. These classes will appear on the transcript with no designation of being teamed, since being teamed in this case has no bearing on instruction, objectives, and expectations.

### **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.

# Rockford High School Graduation Requirements

Coursework Requirements	Credits Required	Qualifying Courses and Other Notes
Computer Literacy - R	0.5	<input type="checkbox"/> Choose from: <ul style="list-style-type: none"> <li>• RHS: Business Tech, Multimedia, TV Studio 2, Computer Science Principles, AP Computer Science Principles, Yearbook, World Tech (WT) CAD, WT Structures, WT Manufacturing, WT Energy &amp; Transportation, Product Design</li> <li>• KCTC: Accounting, Design Lab, Engineering &amp; Architectural Design, Graphic Communications, Info Tech, Mechatronics, Precision Machining</li> <li>• Kent Innovation High School</li> <li>• Middle School: Computer class in 7th or 8th grade, RPS Tech 1 &amp; 2 (must be both), RPS STEM 1 &amp; 2 (must be both). Grade(s) of C or better required.</li> </ul>
Communications - R	0.5	<input type="checkbox"/> Choose from: Speech, Policy Debate, Theater, TV Studio 1
English	4.0	<input type="checkbox"/> <input type="checkbox"/> English 9 <input type="checkbox"/> <input type="checkbox"/> English 10 <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: <ul style="list-style-type: none"> <li><input type="checkbox"/> <input type="checkbox"/> Algebra 1</li> <li><input type="checkbox"/> <input type="checkbox"/> Geometry</li> <li><input type="checkbox"/> <input type="checkbox"/> Algebra 2</li> <li><input type="checkbox"/> Other Math</li> <li><input type="checkbox"/> Math or Math-related in 12<sup>th</sup> grade</li> </ul> <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> <p><u>Please note that "math-related" classes do not count as a math credit for college admissions.</u></p> <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 <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 or other 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.

**PLANNING GRID FOR YOUR HIGH SCHOOL COURSES**

**9<sup>th</sup> Grade**


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


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


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


## 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 post-secondary schools have an articulation agreement with RHS?

Baker College, Central Michigan University, Davenport University, Ferris State University, Grand Rapids Community College, Grand Valley State University.

### What courses can be articulated with each post-secondary school?

#### Davenport University:

Accounting A, B, C	Physiology I, II, III (regular or Honors)
American Studies A, B	Pre-Calculus A,B (regular or Honors)
Business I, II, III	Sociology
Business Tech 1,2	Spanish 2 A, B
Economics	Spanish 3 A, B
French 2 A,B	Spanish 4 A, B
French 3 A,B	Statistics
French 4 A, B	TV Studio 1
General Psychology	US Government
German 1 A, B	World Studies A
German 2 A, B	World Studies B
German 3 A, B	*Biology A, B (regular or Honors)
Marketing Communications	*Chemistry A, B (regular or Honors)
	*credit only when both Biology and Chemistry taken

#### Grand Rapids Community College

Accounting A, B, C  
Business II  
Business Tech 1,2  
Parenting Psychology

#### Ferris State University

Accounting A, B, C and Financial Management = 3 Elective Credits  
Business I, II, III and Business & Personal Finance = 3 Elective Credits

#### Baker College

Accounting A,B,C  
Business Tech 1, 2  
Business III

#### CMU & GVSU

TV Studio 1, 2, 3 (individual assessment)

### 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 Mrs. Cody to complete an Articulation Application.



## 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 [WWW.ELIGIBILITYCENTER.ORG](http://WWW.ELIGIBILITYCENTER.ORG) 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.

## 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 18 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
- Concordia University, Ann Arbor, MI
- Cornerstone University, Grand Rapids, MI
- Davenport University, Grand Rapids, MI
- Lawrence Technological University
- Madonna University, Livonia, MI
- Marygrove College, Detroit, 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:
DESIGN 1	90015 0005	9 10 - 12	VPAA
DESIGN 2	90025 0015	9 10 - 12	VPAA
DRAWING	90035 0035	9 10 - 12	VPAA
PAINTING	0045	10 - 12	VPAA
POTTERY	0055	10 - 12	VPAA
POTTERY 2	0056	10 - 12	VPAA
METAL SMITHING & JEWELRY	0065	10 - 12	VPAA
METAL SMITHING & JEWELRY 2	0066	10 - 12	VPAA
ADV 2D DESIGN	0075	10 - 12	VPAA
AP STUDIO ART	0081/0082/0083	12	VPAA
ART LEADERS		11 - 12	VPAA

## **DESIGN 1 (90015 grade 9; 0005 grades 10-12)**

**1 Trimester**

**Grades 9-12**

This class will introduce the basics of design as applied to different media such as pencil, tempera, construction paper, etc. The use of art elements is stressed. Written quizzes and tests or critiques will accompany each project. A written final exam is given.

## **DESIGN 2 (90025 grade 9; 0015 grades 10-12)**

**1 Trimester**

**Grades 9-12**

- **Prerequisite for 9<sup>th</sup> graders: one semester of Art 8 and Middle School Art teacher approval**
- **Prerequisite for grades 10-12: Design 1 with at grade of B or better**

This class is a continuation of Design I and will include work in media such as clay, pastels, paper maché, etc. Projects will include sculpture and commercial art. Written components or critiques will be assigned. A written final exam will be given.

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

**1 Trimester**

**Grades 9-12**

- **Prerequisite: B or better in Design 1 or 2 plus a B or better in last art class taken**

This class involves the drawing of still life, landscapes, figures and designs. Material used will include pencil, charcoal, pastels, pen and ink, and colored pencils. Written components and critiques will be required.

## **PAINTING (0045)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: B or better in Design 1 or 2 plus a B or better in last art class taken**

This class involves the study and development of composition using acrylic, watercolor, temperas and collage. Art history is part of this class. Students will be required to do written critiques and may be given a written final exam.

## **POTTERY (0055)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: B or better in Design 1 or 2 plus a B or better in last art class taken**

This class is designed to introduce the student to clay basics through several projects using the HAND BUILDING methods of pinch pot, slab coil and slab mold constructions. Finish methods include glaze firing and alternative techniques. Written components or critiques will accompany each of the projects. A written final exam will be given.

## **POTTERY 2 (0056)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: B or better in Design 1 or 2 plus a B or better in Pottery**
- **May be repeated for credit**

This class is an extension of the techniques and processes learned in Pottery. Students will learn WHEEL THROWING using high fire stoneware clay and advanced hand-building techniques. Finish methods include stoneware glaze firing and advanced alternative finish techniques. Written components or critiques will accompany each of the projects. A written final exam will be given.

## **METAL SMITHING & JEWELRY (0065)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: B or better in Design 1 or 2 plus a B or better in last art class taken; or teacher permission**

This class is designed to acquaint students with the basics of jewelry design, solder, and casting. Each student must pay for silver used for projects they choose to keep (other materials are supplied for class). Students may supply their own silver. Written components or critiques will accompany each of the projects. A written final exam will be given.

## **METAL SMITHING & JEWELRY 2 (0066)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: B or better in Design 1 or 2 plus a B or better in Metal Smithing & Jewelry; or teacher permission**
- **May be repeated for credit**

This class is an extension of the techniques and processes learned in Metal Smithing & Jewelry. Students will learn advanced techniques of carved wax casting, metal fabrication, wire and bead work, and lapidary. Written components or critiques will accompany each of the projects. A written final exam will be given.

## **ADVANCED 2-D DESIGN (0075)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: B or better in Design 1 or 2 plus a B or better in Painting or Drawing**

This class is an extension of the techniques learned in Drawing and/or Painting classes. Students will advance their techniques and understanding of design while using both painting and drawing media. Historical periods of art, guest local artist, and required trips to museums and galleries may be additional components of the class. Written critiques will accompany each of the projects. The final will be composed of both a project and written exam.

## **ADVANCED PLACEMENT STUDIO ART (0081/0082/0083)**

**3 Trimesters**

**Grade 12**

- **Prerequisite: Design 1 or 2, Painting, Drawing, and Pottery with a B or better**

This course is intended to offer college-level curriculum in a high school environment. Students who successfully complete the course can either request credit from the college or university they will attend, or prepare a personal art portfolio. At the end of the school year, the participants who wish to receive college credit will pay a test fee for submitting their portfolio, and submit digital pictures of their portfolios. Students who do sign up for the year-long Advanced Placement Studio Art course will be expected to produce a minimum of 30 works of art in a variety of media, techniques and subject matter. Therefore, they will receive a weighted grade. Advanced Placement students must submit their work to the testing center in early May.

## **ART LEADERS**

**1 Trimester**

**Grades 11-12**

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

Students admitted to this class will work with special education students and complete a variety of Art projects suited to special education student ability level.

## BUSINESS DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
BUSINESS TECH 1	5515	10 - 12	Computer Literacy
BUSINESS TECH 2	5516	10 - 12	
ACCOUNTING	5531/5532/5533	11 - 12	Math-Related
FINANCIAL MANAGEMENT	5545	11 - 12	Math-Related
BUSINESS & PERSONAL FINANCE	5555	12	Math-Related
Zero-hour course number:	5555Z		
BUSINESS I - NEW PRODUCT DEVELOPMENT & PROMOTION	5611	11 - 12	
BUSINESS II - ENTREPRENEURSHIP	5612	11 - 12	
BUSINESS III - MANAGEMENT	5613	11 - 12	
MARKETING COMMUNICATIONS 1	5621	10 - 12	VPAA
BUSINESS & PRACTICAL LAW I	5635	10 - 12	
BUSINESS & PRACTICAL LAW II	5636	10 - 12	
MULTIMEDIA	5705	10 - 12	Computer Literacy & VPAA
ADVANCED MULTIMEDIA	5706	10 - 12	VPAA
TV STUDIO 1		10 - 12	Communications
TV STUDIO 2		11 - 12	Computer Literacy
TV STUDIO 3		11 - 12	
COMPUTER SCIENCE PRINCIPLES 1	5745	9 - 12	Computer Literacy
COMPUTER SCIENCE PRINCIPLES 2	5746	9 - 12	Computer Literacy
AP COMPUTER SCIENCE PRINCIPLES	5751/5752/5753	10 - 12	Computer Literacy

### **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. This course may be used for the Computer Literacy graduation requirement. This class, when taken with Business Tech 2, articulates to Baker College, Davenport University, and Grand Rapids Community College.

### **BUSINESS TECH 2 (5516)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: Bus Tech 1.**

Students in Business Tech 2 will continue learning Microsoft Office programs, including Word, Excel, and PowerPoint. This class, when taken with Business Tech 1, articulates to Baker College, Davenport University and Grand Rapids Community College.

### **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 fundamentals of business mathematics and introductory finance. Topics include banking, markups and markdowns, payroll, interest, promissory notes, installment buying, home ownership, financial reports, depreciation, taxes, and investments. 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.

## **ZERO-HOUR BUSINESS & PERSONAL FINANCE (5555Z)**

Class begins at 6:23 a.m. and students are responsible for their own transportation.

## **BUSINESS I – NEW PRODUCT DEVELOPMENT & PROMOTION (5611)**

**1 Trimester**

**Grades 11-12**

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.

## **BUSINESS II – ENTREPRENEURSHIP (5612)**

**1 Trimester**

**Grades 11-12**

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 III – MANAGEMENT (5613)**

**1 Trimester**

**Grades 11-12**

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.

## **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. Throughout this experience, students will also learn about numerous career opportunities in business. 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.

## **BUSINESS & PRACTICAL LAW II (5636)**

**1 Trimester**

**Grades 10-12**

This is a class in business and personal law with emphasis on contract law and citizen obligations in everyday situations. Specific topics include employment law and employment protection, equal opportunity, obtaining credit, warranties, owning and insuring a vehicle, renting apartments, marriage and divorce, insurance, taxes, etc. The fundamentals of business law are also covered.

## **MULTIMEDIA/WEB PAGE DESIGN (5705)**

**1 Trimester**

**Grades 10–12**

- **May be taken up to four times if space is available**

Students learn to use several multimedia/interactive applications in addition to the required web page design requirements of the class. All students have the opportunity to produce and submit a useful product for school, business, or the community using the software programs available in the classroom. Examples of useful products are web pages, animated movies, advertising campaigns, posters, logos, etc. Students are exposed to the following software programs: Dreamweaver (Web Pages), Flash (animation, etc.), Fireworks, and Photoshop. Students must be willing to work hard independently and in groups. Prior computer use NOT required! This course may be used for the Computer Literacy graduation requirement and the Visual, Performing & Applied Arts requirement.

## **ADVANCED MULTIMEDIA/WEB PAGE DESIGN (5706)**

**1 Trimester**

**Grades 10–12**

- **May be taken up to four times if space is available**

Students continue to learn several multimedia/interactive applications in addition to the required web page design requirements of the class. All students have the opportunity to produce and submit a useful product for school, business, or the community using the software programs available in the classroom. Examples of useful products are web pages, animated movies, advertising campaigns, posters, logos, etc. Students are exposed to the following software programs: Dreamweaver (Web Pages), Flash (animation, etc.), Fireworks, Photoshop, Illustrator, iTunes, Garageband, DVD productions, Maya (3D animation), Google Sketchup, Aperture, Motion, AfterEffects, etc. Students must be willing to work hard independently and in groups. Prior computer use is NOT required! This course may be used for the Computer Literacy graduation requirement and the Visual, Performing & Applied Arts requirement.

# Business

## **TV STUDIO 1 – BEGINNING**

**1 Trimester**

**Grades 10-12**

- **Application required.** This course fulfills the Communications 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**

**1 Trimester**

**Grades 11-12**

- **Teacher permission is required**

This course fulfills the Computer Literacy requirement for graduation. 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**

**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.

## **COMPUTER SCIENCE PRINCIPLES 1 (5745)**

**1 Trimester**

**Grades 9-12**

Computer Science Principles 1 is a course that exposes students to the beauty and awe of computer science. Students will explore the uses of computer science in the real world along with the positive and negative impacts of computer technology on our society. Students will also explore computer innovations and develop programs using a variety of programming languages.

## **COMPUTER SCIENCE PRINCIPLES 2 (5746)**

**1 Trimester**

**Grades 9-12**

- **Prerequisite: Computer Science Principles 1**

Computer Science Principles 2 is a course that continues the concepts learned in Computer Science Principles 1 and takes them further with more in-depth projects, technical writing, and coding.

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

**3 Trimesters**

**Grades 10-12**

- **Prerequisite: successful completion of an AP or Honors math course**

AP Computer Science Principles is designed to encourage students to explore computer science and the impact computing and technology have on our society. With a unique focus on creative problem solving and real-world applications, this course gives students the opportunity to explore several important topics of computing using their own ideas and creativity, use the power of computing to create artifacts of personal value, and develop an interest in computer science that will foster further endeavors in the field. The content includes (but is not limited to) a mix of using web-based programs, software activities, and hands-on activities. This course is recommended for students with an interest in applying technology to any discipline and observing its effect on any facet of our society. Students will have the opportunity to earn credit at some colleges and universities in the spring.



## **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:
SPEECH 1	7715	10 - 12	Communications and VPAA
SPEECH 2	7716	10 - 12	VPAA
POLICY DEBATE	7755	10 - 12	Communications and VPAA
ADVANCED POLICY DEBATE	7756	10 - 12	VPAA
THEATER 1	7775	10 - 12	Communications and VPAA
ADVANCED THEATER	7781, 7782, 7783	10 - 12	VPAA

### **SPEECH 1 (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.

### **SPEECH 2 (7716)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: Speech 1**

Students will further develop their speaking abilities and build confidence through group and individual activities. Units include study of oral interpretation (verbals), demonstration (nonverbals), entertainment, special occasions, interviewing, persuasion, and more. Emphasis is on professionalism.

### **POLICY DEBATE (7755)**

**1 Trimester**

**Grades 10-12**

This course fulfills the Communications requirement for graduation.

The design is to develop debating skills for students who have interest and aptitude in public speaking. A competitive debate team will be formed from class members.

### **ADVANCED POLICY DEBATE (7756)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: Policy Debate**

The concept behind Advanced Policy Debate is to offer a student the opportunity to expand ideas and concepts from Policy Debate. We will examine advanced concepts taught in Policy Debate. Students who take this class will also be expected to participate in and with the competitive debate team, which competes in the fall.

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

**1 Trimester**

**Grades 10-12**

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.

# Communications

## **ADVANCED THEATER (7781, 7782, 7783)**

1 Trimester each

Grades 10-12

- **Prerequisite: Theater 1 or instructor permission**
- **These classes may be taken in any order**

Text: Various script materials.

Course Content covered: Various acting styles, techniques and methods, differing each Trimester

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. Each class focuses on a specific style of theater and its specific acting techniques. 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 does have an after-school requirement for rehearsals and performances near the end of the trimester.

**1<sup>st</sup> rotation (available this year): Offered during school years beginning with an odd year (i.e. 2015-2016).**

**7781 – Psychological Acting: Dive deeper into Stanislavsky’s acting theory. Learn to develop a character from the inside out.**

**7782 – Styles of Comedy: Learn what makes acting funny, how to develop comedic characters, and how to be better at improvisation.**

**7783 – Children’s Theater Acting: Learn how to create characters that are larger than life and appeal to young audiences. Use theater to be involved in your community.**

**2<sup>nd</sup> rotation (not offered this year): Offered during school years beginning with an even year (i.e. 2016-2017).**

**7784 – Musical Theater:** Learn about the different components and styles of musical theater. Also learn what is required of an actor within those different styles.

**7785 – Shakespearian Technique:** Focus on the technique required to perform the difficult language of Shakespeare’s plays, and other classics written in verse.

**7786 – Physical Acting:** Explore techniques used to create a character from the outside in. Some sample techniques include Laban Movement and centers of energy.

# Consumer Econ/Life Mgt

## CONSUMER ECONOMICS/LIFE MANAGEMENT DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
FOODS FOR FITNESS	96625	9	
PERSONAL LIVING SKILLS	96645	9	
ALL ABOUT FOODS	6625	10 - 12	
CLOTHING 1	6645	10 - 12	VPAA
CLOTHING 2	6655	10 - 12	VPAA
CHILD DEVELOPMENT & PARENTING	6725	10 - 12	
PARENTING PSYCHOLOGY	6735	11 - 12	VPAA
INDEPENDENT LIVING	6745	11 - 12	

### **FOODS FOR FITNESS (96625)**

**1 Trimester**

**Grade 9**

The “science” of eating -- what’s in what you eat, how your body works, how food affects your performance, sorting out food fact and fiction -- is the focus of this course. Some basic preparation of the foods in ChooseMyPlate are included. We discuss decisions about our food choices, lifestyles, and the exercise that affect our health throughout life. When successfully completed, a student will know how to make healthy food choices.

### **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.

### **ALL ABOUT FOODS (6625)**

**1 Trimester**

**Grades 10-12**

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

### **CLOTHING 1 (6645)**

**1 Trimester**

**Grades 10-12**

This is a dynamic class for students who want to learn how to use a sewing machine and how to construct multiple garments. Basic information such as how to read and understand patterns, construction techniques, and sewing terms will be discussed. The students will prepare a booklet of construction techniques with samples and written explanations as their first project. The other two projects will consist of specific construction techniques in garments of the student’s choice. The student will 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.

### **CLOTHING 2 (6655)**

**1 Trimester**

**Grades 10-12**

- **Prerequisite: Clothing 1**

This class is an extension of Clothing 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 of their choice with specific construction techniques included. The student will 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.

# Consumer Econ/Life Mgt

## **CHILD DEVELOPMENT/PARENTING (6725)**

**1 Trimester**

**Grades 10-12**

The purpose of this course is to help students acquire knowledge and skills related to having children, development and care of children, and to examine their own relationships with children. There is nothing more important or basic to life than providing children with a nurturing and challenging environment in which they can develop to their full potential. This class provides discussion on establishing relationships -- critical in marriage for raising children -- and making decisions involving having children. Fetal growth and development for healthy children, labor, delivery, and newborns are covered and provide our young male and female students with the knowledge, skills, and experience to help them become positive caregivers and parents of future children. Raising healthy children; adoption; children with special needs; and physical, emotional, social and intellectual development are topics for the students. Throughout this class there are a variety of opportunities for students to observe and actively participate in children's lives in our Preschool Child Development Lab.

## **PARENTING PSYCHOLOGY (6735)**

**1 Trimester**

**Grades 11-12**

Parenting Psychology is an extension of the Child Development course. The 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. This course articulates for college credit at Grand Rapids Community College.

## **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.

# English

## ENGLISH DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
ENGLISH 9	91111/91112	9	English 9
HONORS ENGLISH 9	91161/91162	9	English 9
ENGLISH PRINCIPLES AND ESSENTIALS		9	
MYTHOLOGY	91125	9	
INTRO TO PLAYWRITING	91145	9	
ENGLISH 10	1221/1222	10	English 10
HONORS ENGLISH 10	1261/1262	10	English 10
ENGLISH 11	1331/1332	11	English 11
WRITING FOR PRINT MEDIA 1	1405	10 - 12	VPAA
WRITING FOR PRINT MEDIA 2	1406	10 - 12	VPAAa
YEARBOOK	1411/1412/1413	10 - 12	VPAA
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

### **ENGLISH 9 (91111/91112)**

**2 Trimesters**

**Grade 9**

- **Recommended for students of average 9th grade reading and writing ability**

Students will develop their skills in grammar usage, sentence structure, vocabulary, and paragraph composition. The class will also provide students with the opportunity to survey different types of literature and drama. This class must be repeated if failed.

**HONORS ENGLISH 9 (91161/91162)****2 Trimesters****Grade 9**

- **Prerequisite: Successful completion of Honors Program Application, Essay and Testing**

Recommended for students of above average abilities in reading and writing. The course is designed to develop and improve skills in spelling, usage, reading, vocabulary, and composition. The class will also provide students with the opportunity to survey different types of literature and drama.

**ENGLISH PRINCIPLES AND ESSENTIALS****1 Trimester/Elective****Grade 9**

- **Teacher or Counselor placement only**

This course is designed for the student who needs additional improvement in basic reading and writing skills. This course integrates the teaching of vocabulary, comprehension, reading strategies, and writing with the objectives and components of English 9. THIS COURSE DOES NOT COUNT TOWARD ENGLISH GRADUATION REQUIREMENTS.

**MYTHOLOGY (91125)****1 Trimester/Elective****Grade 9**

This academic elective course will focus on myths and their influence on literature and culture. These stories take place in an age with strict codes of courage, honor, and loyalty; but their heroes and gods also have faults and weaknesses with which all people can identify. This mix of strong and weak traits humanizes them in a way that transcends time, place, and culture. Students will study myths from ancient Greek, Roman, and Norse cultures and will complete several research projects and presentations requiring much reading in and outside class. Although this course may be more academic than a middle school mythology elective, it is not advised to take both classes.

**INTRODUCTION TO PLAYWRITING (91145)****1 Trimester/Elective****Grade 9**

Students will be introduced to the art and craft of playwriting, dramatic structure, performance, and the elements of quality plays and great dialogue. A passion for writing, editing, and theatre are a must.

**ENGLISH 10 (1221/1222)****2 Trimesters****Grade 10**

English 10 will cover all modes of academic writing including a review of grammar, usage, and mechanics. It provides exposure to different elements of composition. It also covers literature in fiction and non-fiction. Students will read about the real and imagined experiences of others. In the non-fiction portion of the class students will study the essay. The books read are Lord of the Flies and To Kill A Mockingbird. English 10 or its equivalent is required for graduation. This class must be repeated if failed.

**HONORS ENGLISH 10 (1261/1262)****2 Trimesters****Grade 10**

- **Consult your current English teacher to decide if this course is a good fit**

This course is designed for the more advanced students who are capable of developing composition skills that require a high level of analytical thinking. The writing portion of the class will include description, exposition, narration, and literary analysis. The reading portion of the class will focus on literary interpretation. Students will read such titles as Lord of the Flies, To Kill a Mockingbird, The Iliad, The Chosen, Brave New World, and others.

**ENGLISH 11 (1331/1332)****2 Trimesters****Grade 11**

- **Prerequisite: Successful completion of English 10**

This course begins with a review of sentence and paragraph structure, and emphasizes the utilization of these skills in writing compositions. A variety of compositions will be covered. This class also incorporates a study of American Literature.

**WRITING FOR THE PRINT MEDIA 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.

# English

## **WRITING FOR THE PRINT MEDIA 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.

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

**3 Trimesters**

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

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.

## **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.

## **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**

This course will explore literary and cinematic engagement with psychology and sociology. We will study the development of character and story through the use of psychological elements. Additionally, we will give particular attention to the complex cultural dynamics that have impacted these works and their receptions. This fulfills the 12<sup>th</sup>-grade Literature requirement for those taking Senior Composition or Technical Writing.

## **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. This fulfills the 12<sup>th</sup>-grade Literature requirement for those taking Senior Composition or Technical Writing.

## **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.**

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.

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

**3 Trimesters**

**Grade 12**

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

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.

## MATHEMATICS DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
PRE-ALGEBRA PRINCIPLES & ESSENTIALS		9	Other Math
PRE-ALGEBRA	93121/93122	9	Other Math
ALGEBRA PRINCIPLES & ESSENTIALS		9	Other Math
ALGEBRA 1	93131/93132 3131/3132	9 10	Algebra 1
GEOMETRY CONCEPTS	3201/3202	10 - 11	Geometry
GEOMETRY	93221/93222 3221/3222	9 10 - 11	Geometry
"FLIPPED" GEOMETRY	3231/3232	10 - 11	Geometry
HONORS GEOMETRY	93261/93262	9 - 10	Geometry
BASIC ALGEBRA 2 CONCEPTS	3251/3252	12	Algebra 2
ALGEBRA 2 CONCEPTS	3261/3262 A/B 3263/3264 C/D	11 12	Algebra 2 (Two-year sequence)
ALGEBRA 2	3271/3272	10 - 12	Algebra 2
"FLIPPED" ALGEBRA 2	3291/3292	11 - 12	Algebra 2
HONORS ALGEBRA 2	93281/93282 3281/3282	9 10 - 11	Algebra 2
STATISTICAL REASONING IN SPORTS	3305	10 - 12	Algebra 2
ALGEBRA 3	3341/3342	11 - 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

### PRE-ALGEBRA PRINCIPLES & ESSENTIALS

1 Trimester

Grade 9

- **Teacher or Counselor placement only**

This course is designed for the student who needs additional improvement in basic number operations, meaning, notation, place value, and comparisons of numbers. This course integrates the teaching of number relationships and meaning of operations with objectives and components taught in Pre-Algebra.

### PRE-ALGEBRA (93121/93122)

2 Trimesters

Grade 9

The course has a primary emphasis on general mathematics and includes about one-third of Algebra 1. The focus is on basic math skills with rational numbers. This course includes equation solving with rational numbers and an introduction to linear functions, Geometry, and Probability and Statistics.

**ALGEBRA PRINCIPLES & ESSENTIALS**

**1 Trimester**

**Grade 9**

- **Teacher or Counselor placement only**

This course is designed for the student who needs additional improvement in basic number systems and number sense. This course integrates the teaching of calculations using real and complex numbers in expressions and equations. The objectives and components taught in Algebra are covered in this course. DOES NOT COUNT TOWARD THE ALGEBRA 1 REQUIREMENT.

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

**2 Trimesters**

**Grades 9-10**

- **Prerequisite: Pre-Algebra with grade of C or above recommended**
- **Middle School teacher consent recommended for a 9<sup>th</sup> grader**

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.

**GEOMETRY CONCEPTS (3201/3202)**

**2 Trimesters**

**Grades 10-11**

- **Prerequisite: Teacher recommendation from Algebra 1**

Instead of emphasizing formal proof, this course uses examples and hands-on activities to develop geometric concepts.

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

**2 Trimesters**

**Grades 9-11**

- **Prerequisite: Algebra 1 with grade of C or above recommended**

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.

**"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.

**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**

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.

**BASIC ALGEBRA 2 CONCEPTS (3251/3252)**

**2 Trimesters**

**Grade 12**

- **Prerequisite: Teacher recommendation from Geometry or Geometry Concepts**

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. This course meets the Algebra 2 graduation requirement under the Michigan Merit Curriculum.

**ALGEBRA 2 CONCEPTS (3261/3262/3263/3264)**

**4 Trimesters over 2 years**

**Grades 11 & 12**

- **Prerequisite: Teacher recommendation from Geometry or Geometry Concepts**

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.

# Math

## 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.**

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. Students enrolled in Honors Algebra 2 may participate in a variety of math contests and competitions, such as the Michigan Math Prize Competition test and the Michigan Math League. It is a very rigorous course. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty.

## STATISTICAL REASONING IN SPORTS (3305)

1 Trimester

Grades 10-12

- **Prerequisite: Algebra 2**

This course teaches students how to use the four-step statistical process in the context of sports: ask questions, collect data, analyze data, and make conclusions. Each chapter will begin with a sports-related statistical question (e.g., Is there a home field advantage in the NFL?) and then students will learn how to collect appropriate data, how to analyze the data, and how to make reasonable conclusions. Although the context of the examples and exercises will be sports related, the primary focus of the class will be to teach students the basic principles of statistical reasoning. Major statistical topics include: analyzing distributions of univariate and bivariate data, both categorical and numerical; using graphs and summary statistics; correlation and least squares regression; using simulations to estimate probability distributions; theoretical probability distributions, including the binomial and normal distributions; rules of probability, including conditional probability and expected value; the logic of hypothesis testing, including stating hypotheses, calculating and interpreting  $p$ -values, drawing conclusions, and Type I and Type II errors; using confidence intervals to estimate parameters; and proper methods of data collection, including sampling and experimentation. Use of technology, including online applets and the graphing calculator, will be prominent in the course. Throughout the course, students will complete investigations that require them to complete the four-step statistical process using athletes of their choice.

## ALGEBRA 3 (3341/3342)

2 Trimesters

Grades 11-12

- **Prerequisite: Teacher Recommendation**

**Recommended for students with a C+ or lower from Algebra 2, or a C+ or higher in Algebra Concepts 2**

This course is designed to be a buffer course between Algebra 2 and Pre-Calculus. The purpose is to reinforce and give more exposure to skills and thought processes introduced in Algebra 2. It also uses the same text as Pre-Calculus to give students an introduction to topics covered in that course. 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**

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: Pre-Calculus with a grade of C or above is recommended**

This is the study of how sample descriptive statistics are used for inferential statistics. Much of the course involves hypothesis testing using normal probability distributions and t-distributions, as well as correlation and regression and binomial experiments. 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 C 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 11-12**

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

This course is an in-depth, analytical approach to inferential statistics. 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**

The information included in the course covers material beyond the first semester of college calculus. Students may take the Advanced Placement Test 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**

This is an AP class which prepares students to take the Calculus BC AP Exam. The course explores the many techniques of integration (including parts, trigonometric functions, trigonometric substitution, partial fractions, and improper integrals). Aspects of infinite sequences and series are covered with extensive applications of MacLaurin and Taylor series. The final topic in trimester 1 is the calculus of polar functions and parametric functions. Anyone planning to take the Calculus BC AP test should take this class. Trimester 2 studies the calculus of multi-dimensional space. At first analytical geometry is studied (including dot and cross products), and then we work mostly on the calculus of 3-dimensions. We study vector-valued functions, parameterization, and motion in space. We then study partial differentiation and multiple integrals. Trimester 3 finishes the Calculus 3 concepts and an extensive review is done to prepare for the BC AP Exam. A TI-83 or TI-84 graphing calculator is required. Please see your teacher if this presents a difficulty.

## MUSIC DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
CHOIR	90121/90122/90123	9	VPAA
WOMENS' CHORUS	0101/0102/0103	10 - 12	VPAA
CHORALE	0131/0132/0133	10 - 12	VPAA
CHAMBER SINGERS	0141/0142/0143	11 - 12	VPAA
ADVANCED WOMENS ENSEMBLE	0151/0152/0153	11 - 12	VPAA
ADVANCED MUSIC THEORY	0175	12	VPAA
ADVANCED MUSICIANSHIP	0185	10 - 12	VPAA
CONCERT BAND	90211/90212/90213	9	VPAA
SYMPHONIC BAND	0211/0212/0213	10 - 12	VPAA
WIND ENSEMBLE	0221/0222/0223	10 - 12	VPAA
ORCHESTRA	0311/0312/0313	9 - 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.

### **WOMENS' 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**

- **Registration for this intermediate ensemble is by teacher recommendation. Once enrolled, the first trimester is probationary. Admittance into the second and third trimester are contingent on satisfactory progress and participation during the first Trimester**

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 WOMEN'S ENSEMBLE (0151/0152/0153)**

**3 Trimesters**

**Grades 11 & 12**

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

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

**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.

**CONCERT BAND (90211/90212/90213)****3 Trimesters****Grade 9**

- **Prerequisite: Middle School Band**

This is an entry level study of music theory and performance of band literature. This course is for all freshman band students entering the high school instrumental music program. The focus of this ensemble is to introduce marching techniques and prepare students for the level of musicianship required in high school bands. It is a prerequisite for Symphonic Band or Wind Ensemble.

**SYMPHONIC BAND (0211/0212/0213)****3 Trimesters****Grades 10-12**

- **Prerequisite: Concert Band; 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 (0221/0222/0223)****3 Trimesters****Grades 10-12**

- **Prerequisite: Concert or Symphonic Band; 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.

**ORCHESTRA (0311/0312/0313)****3 Trimesters****Grades 9-12**

**Prerequisite: Middle School Orchestra or 3 years of string-playing experience**

This course includes intermediate and advanced study of string technique, an introduction to music theory, and performance of string orchestra literature. This course is open to all high school string players with at least 3 years of playing experience. The focus of this ensemble is to continue developing string technique, and move toward more advanced levels of musicianship required in a high school orchestral ensemble.

## 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
STRESS MANAGEMENT	96235	9	
SPORTS ACTIVITIES	6201/6202/6203	10 - 12	Second 0.5 PE
DEVELOPMENTAL FITNESS	6215	10 - 12	Second 0.5 PE, or replaces Phys Ed 9
LIFETIME PHYSICAL FITNESS	6225	10 - 12	Second 0.5 PE
AQUATICS FOR FITNESS	6305/6306	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
AEROBICS	6341/6342/6343	10 - 12	Second 0.5 PE
ADVANCED CONDITIONING Zero hr course numbers (T2/T3):	6351/6352/6353 6352Z/6353Z	10 - 12 T1/T2 10 - 11 T3	Second 0.5 PE
MOVEMENT FITNESS	6361/6362	10 - 12	Second 0.5 PE
PE LEADERS		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.

### **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.

### **STRESS MANAGEMENT (96235)**

**1 Trimester**

**Grade 9**

Stress Management is an engaging class that involves lots of participation. Each student will learn what stress is, the effects of stress and, finally, we will discuss ways to manage stress. Each student will have the opportunity to analyze his/her own stress levels. We use The 7 Habits of a Highly Effective Teen as a guide and students will use multimedia to complete projects to support the curriculum. By the end of this course, students should be able to recognize their stressors and also be able to recognize stress in others.

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

**1 Trimester each**

**Grades 10-12**

- **Prerequisite: P.E. 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 running and a variety of other methodologies to obtain and maintain fitness. This course may be taken more than once.



## **DEVELOPMENTAL FITNESS (6215)**

**1 Trimester**

**Grades 10-12**

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

This course is designed for those students who have not yet fulfilled their Physical Education 9 requirement, or desire to improve their cardiovascular conditioning and general fitness level without competing against others. The course will include all components of physical fitness, as well as nutrition and eating disorders. This course also involves swimming. This course may be taken more than once.

## **LIFETIME PHYSICAL FITNESS (6225)**

**1 Trimester**

**Grades 10-12**

- **Recommended for highly motivated students and those desiring to push and test their limits**
- **Prerequisite: PE 9 & Health Education**

An elective course designed for those interested in learning how to have and/or maintain total physical conditioning through a variety of workout methods. All aspects of a workout are dealt with. Class involves running, weight lifting, swimming, and a variety of other methodologies to obtain and maintain fitness. The course is fun yet challenging both mentally and physically. One should have a solid base of conditioning prior to taking the class. This course may be taken more than once with permission.

## **AQUATICS FOR FITNESS (6305 T1/6306 T2)**

**1 Trimester each**

**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.

## **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 of:**
  - 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.

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

**1 Trimester each**

**Grades 10-12**

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

This is an opportunity for the female student to improve strength and endurance through the correct application of sound training principles. Students will be presented instruction on how to develop and maintain the components of fitness: muscular strength, muscular endurance, cardiovascular endurance, flexibility, and body composition. Students will learn how to safely and effectively strength train the female body.

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

**1 Trimester each**

**Grades 10-12**

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

This course is designed to develop an increased knowledge of the different muscle groups that exist in the human body. The course will explain the importance of muscular fitness and the advantage of muscular development. This course may be taken more than once.

# Phys Ed

## **AEROBICS (6341 T1/6342 T2/6343 T3)**

**1 Trimester each**

**Grades 10-12**

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

This course is designed for the student who wants to develop, maintain, or advance their cardio-respiratory endurance, strength, and flexibility. Activities may include step aerobics, running, aerobic circuit training, swimming, body sculpting, and yoga. This class will focus on principles of a healthy lifestyle. This course may be taken more than once.

## **ADVANCED STRENGTH & CONDITIONING (6351 T1/6352 T2/6353 T3)**

**1 Trimester each**

**Tri 1: Grades 10-12**

**Tri 2: Grades 10-12**

**Tri 3: Grades 10-11; seniors only with instructor approval only**

- **Prerequisite: PE 9 and Health Education**
- **This course is open for male and female athletes**
- **Non-athletes are welcome in the class upon approval of instructor and counselor, 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 develop significant strength gains while improving the individual's cardiovascular level as well. Proper nutrition, rest, and dietary supplements will be addressed, as well as the dangers associated with the use of illegal muscle-enhancing drugs. Monthly testing in the areas of strength, vertical jump, speed, and agility will be recorded and evaluated. Form running and advanced running techniques will be taught as part of the speed development unit. Scholastic achievement, leadership, sportsmanship, and career direction are also critical aspects of course content. 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 (6352Z T2/6353Z T3)**

Class begins at 6:22 a.m. and students are responsible for their own transportation.

## **MOVEMENT FITNESS (6361 T1/6362 T2)**

**1 Trimester each**

**Grades 10-12**

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

This is an elective course designed for extremely motivated students interested in improving, maintaining, and/or advancing speed, strength, power, agility, and cardiovascular fitness. Movement Fitness is a dynamic course that focuses on skill-related fitness as well as core strength and rotational strength. The course also incorporates sensitive shoulder training, throwing and catching activities, and weekly competitive game play. Monthly testing in the areas of strength, power, speed, and agility will be recorded and evaluated. Physical activity will take place in a variety of settings such as the weight room, gymnasium, aerobics room, pool, and outdoor fields. This course suits those with a strong interest in activities and game play such as baseball, golf, lacrosse, softball, tennis, volleyball, and water polo. This course may be taken more than once.

## **PE LEADERS**

**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 DEPARTMENT

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
EARTH SCIENCE TEAM		9	Earth/Science
EARTH SCIENCE	92111/92112	9	Earth/Science
HONORS EARTH SCIENCE	92161/92162	9	Earth/Science
BIOLOGY CONCEPTS	2201/2202	10	Biology
BIOLOGY	2221/2222	10	Biology
HONORS BIOLOGY	2261/2262	10	Biology
ENVIRONMENT	2305	10 - 12	0.5 Earth/Science in some circumstances
CHEMISTRY CONCEPTS	2311/2312	11 - 12	Chemistry/Physics
CHEMISTRY	2321/2322	11 - 12	Chemistry/Physics
HONORS CHEMISTRY	2331/2332	11 - 12	Chemistry/Physics
PHYSICS CONCEPTS	2351/2352	10 - 12	Chemistry/Physics
PHYSICS	2361/2362	11 - 12	Chemistry/Physics
HONORS PHYSICS	2371/2372	11 - 12	Chemistry/Physics
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 C	2541/2542/2543	11 - 12	

### **EARTH SCIENCE TEAM**

**2 Trimesters**

**Grade 9**

- **Teacher or counselor placement only**

This is a remedial Science class designed for students who struggle in science. The course covers geology, weather, astronomy and the processes that change the earth's surface.

### **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 geology, weather, astronomy, and processes that change the earth's surface.

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

**2 Trimesters**

**Grade 9**

- **Prerequisite: Successful completion of Honors Program Application, Essay and Testing**

This class is designed to be an alternative to the required Earth Science class for freshmen who have demonstrated exceptional ability in their eighth grade science classes. 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.

### **BIOLOGY CONCEPTS (2201/2202)**

**2 Trimesters**

**Grade 10**

- **Prerequisite: Teacher Recommendation**

This course is designed for students who have demonstrated significant difficulty in previous science courses. The objective is to provide students with an understanding of the basic Michigan High School content expectations for the Michigan Biology credit.

# Science

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

**2 Trimesters**

**Grade 10**

- **Prerequisite: Earth Science**

This class is designed for college-bound students. 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.

## **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.

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## **JUNIORS: A NOTE ABOUT SELECTED SCIENCE CLASSES COMMONLY TAKEN IN THE JUNIOR YEAR:**

**This is a list of some RHS science classes, in order of academic difficulty.**

**This may help you decide which class is right for you.**

- Honors Physics (most demanding in regards to Math skills)    minimum PreCalculus corequisite.
- Honors Chemistry    minimum Algebra 2 prerequisite.
- Physics    minimum Algebra 2 corequisite.
- Chemistry    minimum Algebra 2 corequisite.
- Chemistry Concepts    minimum Algebra 1 prerequisite.
- Physics Concepts (least demanding in regards to Math skills)    minimum Algebra 1 prerequisite.

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## **CHEMISTRY CONCEPTS (2311/2312)**

**2 Trimesters**

**Grades 11-12**

- **Prerequisite: Algebra 1**

A conceptual chemistry course, this is a class designed to allow the student who struggles with mathematical concepts to cover the required state chemistry standards. The course is not taught as a college-prep course but is useful for college-bound students not planning a science-related career. The math needed is not as rigorous as regular Chemistry but does require algebraic manipulation of equations.

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

**2 Trimesters**

**Grades 11-12**

- **Prerequisites: regular Algebra 1, regular Geometry, and regular Biology; all with C or better**
- **Corequisite: regular 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 CONCEPTS (2351/2352)**

**2 Trimesters**

**Grades 10-12**

- **Prerequisite: Algebra 1**

This course is recommended for students interested in physics who do not meet the math requirements of regular physics. The course is not taught as a college-prep course but is useful for college-bound students not planning a science-related career. Topics covered include physics concepts such as laws of motion, dynamics of forces, properties of matter, and wave properties of sound and light. The math needed is not as rigorous as regular physics but does require algebraic manipulation of equations. It is taught as a “hands-on” course with an average of two labs per week, so lab skills are important.

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

**2 Trimesters**

**Grades 11-12**

- **Prerequisite: Algebra 1, Geometry, and Biology; all with C or better**
- **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.

## **HONORS PHYSICS (2371/2372)**

**2 Trimesters**

**Grades 11-12**

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

A challenging college-prep course for students with a strong math background. Topics covered include gravity, projectile motion, Newton’s Laws, sound, light, and electricity.

## **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 muscular & nervous systems
- Physiology II emphasizes the cardiovascular & blood systems
- Physiology III emphasizes the respiratory & urinary systems

Part of the course is taught on CD ROM. This course articulates to Davenport University.

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

## **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. Part of the course is taught on CD ROM. 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.*

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

**3 Trimesters**

**Grades 11-12**

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

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 a B+ or better in Chemistry 1**

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%).

# Science

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

**3 Trimesters**

**Grades 11-12**

- **Prerequisite: Honors Physics or teacher permission**
- **Minimum AP Calculus corequisite**

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

This is a calculus-based physics course. Students study Mechanics. The outcomes of this course meet the objectives of AP Physics C: Mechanics.

## 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	
AMERICAN STUDIES	4211/4212	10	American Studies
ECONOMICS	4265 4255	10 11	Economics
WORLD CONFLICTS WW II	4345	12	
SOCIOLOGY	4365	11 - 12	
HISTORY OF WORLD RELIGIONS	4375	11 - 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 EUROPEAN HISTORY	4521/4522/4523	11 - 12	
AP US HISTORY	4531/4532/4533	10 - 12	American Studies

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

**2 Trimesters**

**Grade 9**

- **World Studies A is the prerequisite for World Studies B. Spanish version available for Immersion students.**

In World Studies A students learn about The Empires of China and India, Cultures in Contact, Medieval Europe, New Ideas and Empires, and Changes in European Society. 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 Industrialization and 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 and therefore may not be taken in conjunction with World Studies A. This course articulates to Davenport University.

### **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**

**Grade 10**

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 - WORLD WAR II (4345)**

**1 Trimester**

**Grade 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 11-12**

This course surveys five of the world's major religions. The areas covered will be historical development, practices, beliefs, and the influence that each religion has on the world of today. Religions covered will be Buddhism, Christianity, Hinduism, Judaism, and Islam. Source readings, discussions, and CD-ROM will be utilized.

## **GENERAL PSYCHOLOGY (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 General Psychology. Students are encouraged to take General Psychology 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.

## **AP U.S. GOVERNMENT & POLITICS (4461/4462/4463)**

**3 Trimesters**

**Grade 12**

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

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 45 and 60 minutes of study outside of class each evening.



# Social Studies

## **AP PSYCHOLOGY (4471/4472/4473)**

**3 Trimesters**

**Grade 12**

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

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 General Psychology. Students are encouraged to take General Psychology OR AP Psychology rather than taking both.

## **AP EUROPEAN HISTORY (4521/4522/4523)**

**3 Trimesters**

**Grades 11-12**

This is an advanced placement study of European culture, political, and social history from the Renaissance to the present. This class prepares students to take the AP European History exam.

## **AP U.S. HISTORY (4531/4532/4533)**

**3 Trimesters**

**Grades 10 -12**

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

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.

## 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
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		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: Any 2 classes in Middle School Tech Ed or 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: Any 2 classes in Middle School Tech Ed or 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.

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

- Prerequisite Grades 10-12: None
- Prerequisite Grade 9: Any 2 classes in Middle School Tech Ed or 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: Any 2 classes in Middle School Tech Ed or 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 (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: Any 2 classes in Middle School Tech Ed or 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.

**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.

**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.

# Tech Ed

## **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**

**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

*Beginning with the Class of 2016, students must have 2.0 credits in the same World Language in order to earn a diploma.  
It is possible to earn credit in grades K-8 in some circumstances.*

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	
Zero-hour course numbers:	5131Z/5132Z		
FRENCH 4	5141/5142	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	5320	10 - 12	World Language year 2
SPANISH 2 A - 2 B - 3 A "Loop"	5320A	10 - 12	
SPANISH 3	5330	11 - 12	
SPANISH 3 B - 4 A - 4 B "Loop"	5330B	11 - 12	
SPANISH 4	5340	12	
AP SPANISH LANGUAGE	5351/5352/5353	12	
SPANISH IMMERSION			
JAPANESE 1	5411/5412	9 - 12	World Language year 1
JAPANESE 2	5421/5422	10 - 12	World Language year 2
JAPANESE 3	5431/5432	11 - 12	
JAPANESE 4	5441/5442	12	
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	
ASIAN STUDIES	5495	10-12	

### **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.

# World Languages

## **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.

## **ZERO-HOUR FRENCH 3 (5131Z/5132Z)**

Class begins at 6:22 a.m. and students are responsible for their own transportation.

## **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.

## **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**

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.

# World Languages

## **SPANISH 2 (5320)**

**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.

### **“LOOPING” SEQUENCE: SPANISH 2A/2B/3A (5320A).**

## **SPANISH 3 (5330)**

**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.

### **“LOOPING” SEQUENCE: Spanish 3B/4A/4B (5330B).**

## **SPANISH 4 (5340)**

**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 and reacting in the language. Students will be able to process thought in Spanish as well as communicate with native speakers. Spanish 4 is no longer offered as an AP course due to Trimesters. If a student has not been able to loop but would like the opportunity to take Advanced Placement Spanish, he/she should see Ms. Clements for options. 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**

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.

## **SPANISH IMMERSION**

At the time of publication, the structure of immersion opportunities for high school students is under review. If you are an immersion student and plan to participate in 2017-2018, write “Spanish Immersion” in Section 1 of your course request form, along with the number of credits expected: 0.5 = one trimester; 1.0 = two trimesters; 1.5 = three trimesters.

## **JAPANESE 1 (5411/5412)**

**2 Trimesters**

**Grades 9-12**

Students will develop proficiency in the four language skills of listening, speaking, reading, and writing, as well as in an appreciation of the difference in cultures. The objective of this beginning course is to communicate with Japanese people in both casual and formal (business) situations.

# World Languages

## **JAPANESE 2 (5421/5422)**

**2 Trimesters**

**Grades 10-12**

Students continue to develop the language skills introduced in Japanese 1. Students increase their vocabulary Kanji and phrases to be able to communicate with Japanese people on a wider range of topics. Students continue to be exposed to the Japanese culture in how to deal with Japanese people.

## **JAPANESE 3 (5431/5432)**

**2 Trimesters**

**Grades 11-12**

- **Prerequisite: C or better in Japanese 2 is required**

Japanese 3 continues to develop the language skills introduced in Japanese 1 & 2. Students will acquire honorific and humble forms in addition to the polite and casual forms introduced in Japanese 1 & 2. Through a variety of readings, students will deepen their understanding of people in Japan. Students will be introduced to use of the Kanji dictionary so that they will be able to read Japanese literature on their own.

## **JAPANESE 4 (5441/5442)**

**2 Trimesters**

**Grade 12**

- **Prerequisite: C or better in Japanese 3 is required**

Students will further develop their language skills through reading various books, magazines, newspaper and writing journals, emails, and essays in casual, polite, and honorific forms. Students will practice their listening and speaking skills thoroughly in this course.

## **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.

## **ASIAN STUDIES (5495)**

**1 Trimester**

**Grades 10-12**

This course is designed to introduce students to Asia through geography, culture, history, and other topics. This class will be largely devoted to giving students a better understanding of the continent that will dominate politics and business of the 21<sup>st</sup> century. This class will complement a foreign language class or a history/geography class.



## OTHER COURSES

Course Name	Course Number	Grade Range	Fulfills Graduation Requirement:
TEEN LEADERSHIP	96675 7906 7905	9 10 11 - 12	
S.T.E.P.S.	7915	11	
STUDENT COUNCIL LEADERS		11 - 12	
SERVICE LEARNING: PROJECT MANAGEMENT		10 - 12	
CARE 102 (FSU)			
UNIV 101 (FSU)			

**TEEN LEADERSHIP (96675 grade 9; 7906 grade 10; 7905 grades 11/12)      1 Trimester      Grades 9-12**

Teen Leadership is a trimester course in which students develop leadership, personal, and business skills. Students learn to develop a healthy self-concept, healthy relationships, and learn to understand the concept of personal responsibility. They will also develop an understanding of Emotional Intelligence and the skills it measures, which include self-awareness, self-control, self-motivation, and social skills. Teen Leadership students will develop communication skills through public speaking and further their understanding of principle-based decision-making and personal image. Specific lessons will develop skills for conflict resolution and students will acquire an understanding of the effects of peer pressure and will develop skills to counteract negative influences. Teen Leadership will also promote the need for goal-setting, both personally and professionally. May be taken only once.

**S.T.E.P.S. STUDENT TRANSITION EDUCATION PREPARATION SKILLS (7915)      1 Trimester      Grade 11**

Rockford High School/Rockford Public Schools highly recommends that all Juniors take the S.T.E.P.S. class in order to prepare for college admission tests, receive information on the transition to college and other post-high-school options, financial aid, admissions requirements, and finding the best college fit. Researching the topic, we contacted many school districts and all have found this course to 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.

**STUDENT COUNCIL LEADERS      3 Trimesters      Grades 11-12**

- **Prerequisite: 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.

**SERVICE LEARNING: PROJECT MANAGEMENT      3 Trimesters      Grades 10-12**

- **Prerequisites: Application, teacher approval**

This course is designed to allow students time and guidance to implement their plans designed to serve RHS, RPS, the Rockford Community, and beyond. This will be a class largely devoted to developing leadership, organization, and delegation skills. Students will put their plans into place and realize the fruits of their labor. To apply, students must submit an application and be interviewed. Each student will head-up at least one project and work on three additional projects per trimester. This class will require work outside of the school day.

# Other Courses

## **CARE 102 - CAREER AND EDUCATION PLANNING (Ferris State University)**

- **Online course for college and high school credit**
- **Prerequisite: Students must have at least a 2.25 GPA and qualifying test scores**
- **The student will need to complete an application process and be accepted by FSU**
- **Enrollment information meetings happen each Spring**

Ferris State University's CARE 102: Career and Education Planning course will explore self-assessments that will help students understand their personal attributes, personalities, and tendencies. Students will conduct career research using online and other resources to help them succeed with their career exploration process. In addition to their career search, students will learn about work ethics and values that will make them more employable and successful in the workforce. By completing these assessments and learning more about themselves, students are better equipped to pick a college major and career without bouncing around from major to major. Students will be able to earn three hours of college credit at FSU if they successfully complete the CARE 102 course. This class is taught on the college's semester calendar, replacing one RHS class in the student's schedule. See your school counselor for details.

## **UNIV 101 - COLLEGE STUDY METHODS (Ferris State University)**

- **Online course for college and high school credit**

UNIV 101 is a Ferris State University online class focusing on basic college academic survival skills and study techniques. Topics include basic learning theory, personal learning styles, active listening, basic study techniques such as SQ3R, note-taking, test-taking, reducing test anxiety, improving concentration and memory, and controlling the study environment. This class is taught on the college's semester calendar, replacing one RHS class in the student's schedule. See your school counselor for details.

## **INDEPENDENT STUDY**

**1 Trimester**

**Grade 12**

- **Prerequisite: Teacher and administrator permission is required**
- **This requires approval of an application/ work contract**

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. Independent Study may be planned any hour which is not the teacher's prep hour.

## **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 2016-2017, 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.

## **DUAL ENROLLMENT**

Students may be eligible to enroll in one or more qualifying college classes in subjects not offered at Rockford High School. Rockford Public Schools covers the cost up to a pre-determined limit according to State funding amounts. 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.

## **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 in the spring - pay attention to the announcements - and pick up the syllabus and any textbook(s) the week after school is out in June. Specific testing dates will be set up for August.

# KENT CAREER & TECHNICAL CENTER (KCTC)

For students in grades 11 & 12 unless stated otherwise.

## Arts & Communications Pathway

**Graphic Communications** 1-2 years  
**3-D Animation and Game Design** (application & pre-test required) 1 year

## Business, Management, Marketing & Technology Pathway

**Accounting Online** 1-2 year  
**Accounting Systems and Solutions** 1-2 years  
**Entrepreneurship & Marketing** 1-2 years  
**Information Technology** 1-2 years

## Engineering/Manufacturing & Industrial Technology Pathway

**Applied Construction Technology** 1-2 years  
**Auto Collision Repair** 1-2 years  
**Automotive Technology** 1-2 years  
**Aviation Electronics** 1-2 years  
**Aviation Maintenance Technology** 1-2 years  
**Design Lab (Grade 10 only)** 1 year  
**Diesel & Equipment Technology** 1-2 years  
**Engineering & Architectural Design** 1-2 years  
**Heating, Ventilation, Air Conditioning & Refrigeration (HVACR)** 1-2 years  
**Mechatronics** 1 year  
**Precision Machining Technology** 1-2 years

## Health Sciences Pathway

**Health Careers Main Campus** 1-2 years  
 Options: **Certified Nurse Assistant, Exploring Health Careers, Pharmacy Technician, Rehabilitation**

**Health Sciences Early College Academy (HSECA)** 1-2 years  
 Options to earn college credit at:  
 Grand Valley State University – **Biomedical Technology**  
 Ferris State University – **Therapeutic Health Care** or **Diagnostic Healthcare Professions**

## Human Services Pathway

**Criminal Justice** (extra application, background check, interview required) 1-2 years  
**Hospitality & Culinary:** 1-3 years  
 Year 1: Introduction to Hospitality      Year 2: Baking or Culinary Arts  
 Post-high school option: Hospitality Fellowship, up to 18 credits at Ferris State University

## Natural Resources & Agriscience Pathway

**Sustainable Agriscience** 1-2 years

### REGISTRATION NOTES:

If you have submitted a *KCTC Enrollment Information Form* to the Counseling Office or Attendance Office as of registration week at RHS, write “KCTC” in Section 2 of your registration form, along with **3.0 credits**; your chances of being admitted are good.

If you have not submitted the form, write KCTC as an alternate for now. Complete and turn in the enrollment form as soon as possible and, when/if admitted, your counselor will be in touch if your requests need to be adjusted.

KCTC admittance is usually announced in April.

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

Applications are completed through the high school beginning in February and some programs fill quickly.

