Hoosic Valley Central School District Program Planning Guide

2025-2026

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INTRODUCTION

The Hoosic Valley Central School District hereby advises students, parents, employees and the general public that it offers employment and education opportunities, including vocational education opportunities, without regard to sex, race, color, national origin or handicap. Inquiries regarding this nondiscrimination policy may be directed to the District Title IX Coordinator.

Course selections will be completed during the months of February and March. Counselors will meet with students individually via google meet or in person. Parents/guardians are invited to attend. This Program Planning Guide is prepared to acquaint you with the course offerings, description, and prerequisites of subjects taught at Hoosic Valley Junior-Senior High School. Your school counselor will assist you so you understand how to select your courses to meet your particular career/college goals.

You are asked to proceed as follows in selecting your courses:

- The school counselors, during the months of February or March, will assist students in the course selection process through ESchool.
- Students and parents can review the Program Planning Guide with particular attention to **graduation requirements** and schedule a meeting with the student's school counselor. With the help from the school counselor and teacher recommendation, the students will finalize their course selections during February or March.

PROGRAM CHOICE

In choosing your courses be sure that you will qualify for graduation. To qualify for a diploma you must earn a certain amount of credits, complete specific courses and pass certain regents exams. A credit is earned by successfully passing a course which meets for 40-weeks. Half credits and quarter credits are awarded for courses meeting for proportionate amounts of time. The basic requirements are summarized on page 7. **Availability of all elective offerings is subject to enrollment.**

***Note to students and parents:** *Some courses listed here may not run due to low enrollment. That decision will be made after student requests are tallied.*

SCHEDULING

Planning your program should follow certain guidelines. Some of these should be the result of your own ideas about yourself and your future. Others are the result of school policies and practices. ***All students including Seniors must take a minimum of five credits plus ½ credit in Physical Education.***

A. Each senior must be scheduled for one credit in English, one credit in Social Studies, and a PE class each semester. ***CAREFULLY CHECK YOUR SCHEDULE.***
B. Doubling up in a core subject area, such as taking two math courses the same year, is generally not allowed. Students with extremely unusual circumstances should see their school counselor as soon as possible. ***Doubling up must be approved by the Principal.***
C. Students enrolling in Hudson Valley Community College or Syracuse University (SUPA) courses must also register with the college for college credit. Any student who is not registered for college credit on the last date for allowed tuition payment will be dropped from the course and placed in a study hall.

Making Schedule Changes

With the exception of changes due to Summer School and August Regents results, all course changes for the next year must be submitted in writing to the school counselor **no later than August 16, 2024** to ensure a correct schedule for the first day of school.

Dropping/Adding a Course

- **Semester course:** Students can not drop after five weeks.
- **Full year courses:** Students can not drop after 10 weeks (First marking period). Level changes *only* will be considered through the end of the first semester.
- Decision for withdrawal *after the first two weeks* will involve consultation between the teacher, counselor, and Principal. All students, including Seniors, must maintain a course load of 5 credits plus PE at all times.
- Course additions to a schedule will not be permitted after two weeks unless there is an approved level change.

Course adjustments will NOT be honored for:

- Teacher preference.
- Requests that drop a student's total number below the required minimum credit of 5 ½.
- Choice of a particular time for a class or study hall/lunch or Physical Education.
- Dropping a course required for graduation.

Note: For all dropped classes after two weeks, a designation of "W" (Withdrawal) will appear on the transcript. ***This will not apply to level changes. Guidelines set up by each individual college will take precedence over Hoosic Valley Withdrawal protocol.***

HOMEROOMS

High school students will be assigned to sophomore, junior and senior homerooms on the basis of the number of credits earned:

Sophomore	5 Credits
Junior	11 Credits
Senior	16 Credits

Candidates for graduation will be assigned to senior homerooms if successful completion of their schedules would permit them to earn enough credit to graduate.

GUIDANCE SERVICES

The objectives of the Guidance Program are to assist students with the setting of educational and career goals that aid students in becoming responsible adults. The Guidance Department has developed a number of strategies to meet these objectives:

1. Academic Planning
    a. Conduct an annual review of each student's educational progress and career plans
    b. Assist students in making decisions regarding course and sequence selection
    c. For students who are at risk for course failure, the guidance staff works in conjunction with classroom teachers in making recommendations for improving study skills and classroom performance
2. Career & Life Planning
    a. Discuss and track career/post-graduate plans
    b. Complete online Interest Inventory
3. Individual Counseling
    a. Assist students in making college and career plans
    b. Assist students with any personal problems or issues that may interfere with their ability to learn.
4. Academic Advising and Support
    a. Conduct individual and group conferences with parents, students and teachers
    b. Assist students in the areas of personal growth and development
    c. Make referrals to other pupil personnel members, community, state or federal agencies
    d. Help teachers enhance the learning opportunities for students
5. Administrative
    a. Assist Administration with the master schedule
    b. Maintain the computerized grade reporting system
    c. Print and distribute report cards
    d. Participate in committees beyond the scope of the guidance office
    e. Lend assistance to the administration and faculty in the day-to-day operation of the school

Ms. Becky Kellerhouse, Counselor - Classes 2027, 2029, 2031

Mrs. Kristin Burton, Counselor - Classes 2026, 2028, 2030

Mrs. Jill Anderson, Administrative Assistant

COURSE AND TESTING REQUIREMENTS

Advanced Regents Diploma

Course Requirements		Testing Requirements
Students must earn the following course credits in order to graduate with an Advanced Regents Diploma:		9*-With a score of 65 or better
● English	4	1-ELA
● Social Studies	4	3-Math
● Math	3	2-Science (1 Life, 1 Physical)
● Science (1 Life, 1 physical, 1 either)	3	1-Global History and Geography
● Language Other Than English (LOTE)	3	1-US History and Government
● Fine Arts	1	1-Locally Developed LOTE
● Health	0.5	
● Physical Education	2 (.5/year)	
● Electives	1.5 over 4 years	
TOTAL CREDITS	22	

* An honors designation is applicable to the diploma for students who earn a computed average score of 90 on all of the Regents exams.

Regents Diploma

Course Requirements		Testing Requirements
Students must earn the following course credits in order to graduate with a Regents Diploma:		5*-With a score of 65 or better
● English	4	1-ELA
● Social Studies	4	1-Math
● Math	3	1-Science
● Science (1 Life, 1 physical, 1 either)	3	1-Global History and Geography
● Language Other Than English (LOTE)	1	1-US History and Government
● Fine Arts	1	
● Health	0.5	
● Physical Education	2 (.5/year)	
● Electives	3.5 over 4 years	
TOTAL CREDITS	22	

* An honors designation is applicable to the diploma for students who earn a computed average score of 90 on all of the Regents exams.

An integrated course in Mathematics/Science/Technology may be used as the third required unit of credit in Mathematics or Science

FREQUENTLY ASKED QUESTIONS

Is it possible to get a Regents or Advanced Regents diploma and go to QUESTAR III CAREER AND TECHNICAL EDUCATION CENTER?

Yes

If I have passed a Regents Exam, may I retake the Regents to improve my grade?
Yes. If you score higher on the exam the higher grade will appear on your transcript.

Are there minimum numbers of classes that a *student must be enrolled in?*

Your schedule must include a minimum of five credits plus ½ credit in Physical Education.

What about 5th year senior status?

A 5th year student is a student who has completed 4 years of high school and needs only certain classes to graduate. This student is allowed to attend school only when he/she has these classes.

What are the Languages Other Than English (LOTE) requirements?

Advanced Regents Diploma: A student needs to take 3 units of the same LOTE and pass the local LOTE exam.

Regents & Local Diploma: 1 unit of LOTE.

Does a student need to take art or music to graduate?

Yes, the requirement may be met in any one of the following ways:

- **Studio Art**
- **Band**
- **Chorus**
- **Any other full music credit**
- **Design & Drawing for Production**

Who is eligible to go to a Vocational Education program?

Students at Hoosic Valley are afforded the opportunity to pursue studies at the area career technical center. Most programs are two years. Beginning in the junior year, students spend half a day enrolled in academic classes at Hoosic Valley Junior-Senior High School and half a day at the QUESTAR III BOCES - Career & Tech Center studying a trade. Students must be on track for graduation to be eligible for the program.

What career courses are offered at the QUESTAR III BOCES - Career & Tech Center?

See QUESTAR III BOCES - Career & Tech (page 8).

How do students learn about the career programs at the QUESTAR III BOCES - Career & Tech Center?

Any 10th grade student who wants to visit the centers is given the opportunity to do so during a sophomore visitation day. The guidance counselors will work with the students to make sure that a vocational program will meet their graduation requirements and career expectations.

Does a student at the *QUESTAR III* BOCES - *Career* & *Tech Center have any home school responsibilities?*

Yes, students enrolled in a vocational education program must attend classes in the home school and be working toward completing their graduation requirements. Failure to attend and pass core academic classes at the home school will result in the student being placed on probation. If attendance and grades do not improve the student will be removed from the vocation program.

How do students sign up for course requests?

Counselors will schedule individual Course Selection meetings with students and parents.

May a *class be eliminated due to lack of enrollment?*

Yes, if a particular course has a low enrollment, it may be taken off the master schedule, even if it is the only section of that course offered.

How do students make changes to their schedules?

Schedules are sent home the last week in August. Students will need to meet with their School Counselor to discuss any schedule changes.

GRADING PROCEDURES

When are report cards issued?

Report cards are issued every Quarter or ten (10) weeks. Interim progress reports are issued at the five (5) week mark of each Quarter. (Refer to the school district calendar for specific dates).

What about doubling up on the course for next year?

Doubling of courses (ex. English 9 and English 10) will not be allowed in <u>most</u> subject areas without the approval of the Principal.

ACADEMIC HONORS

What are the school's standards to make the honor roll?

Honor Roll is calculated for all students.

Honor Roll: 85%-89.9%

High Honor Roll: 90%-100%

How are high achieving seniors recognized?

Hoosic Valley recognizes both a Valedictorian and a Salutatorian.

Grading System/Class Rank

Class Ranking

The Hoosic Valley Central School District Board of Education authorizes the final class rank to be developed using the ranking averages of all graduating students who have completed at least four consecutive high school semesters as district students. Ranking averages are computed by using final averages for all completed courses. The final class rank includes all classes taken in high school up to and including mid-year averages of a student's senior year.

Valedictorian and Salutatorian

Rank in class shall be the sole criterion for determining the valedictorian and salutatorian. Determination of these honors will be calculated after the first semester of the graduation year.

In order to be considered for these honors, a student at the time of the selection must have completed at least four consecutive high school semesters (grades 9-12) as a district student.

If a student has not completed at least four consecutive high school semesters as a district student when class rankings are calculated, his or her grade point average will be computed for transcript purposes, but he or she will not be ranked.

Weighted Class Rank

All Advanced Placement (AP) courses will be weighted by a multiplier of 1.2 and their high school credit value when calculating class rank. All college courses will be weighted by a multiplier of 1.2 and their high school credit value when calculating class rank.

All other courses will be weighted by a multiplier of their high school credit value when calculating class rank.

Only a student's class rank is weighted and his or her grade point average is not impacted by this policy.

QUESTAR III CAREER AND TECHNICAL EDUCATION CENTER

If you are planning to enter a career and technical education program, you will need to successfully complete the following courses and regents exams in Global History, Math, and Science during your 9th and 10th grade year:

- 2 units of English
- 2 units of Social Studies
- 2 units of Math
- 2 units of Science
- 1 unit of LOTE
- 1 unit of Art/Music
- 1 unit of Physical Education (0.5 credits per year)
- 0.5 unit of Health (preferred)

In the last two years of high school, a student may opt to enhance his or her high school experience with a career and technical education program at Questar III. Some students may be able to complete various integrated courses at Questar Ill. These courses can be used to fulfill graduation requirements.

See your school counselor for a full list of integrated credits and how your choice of program meets with current graduation requirements. Below is a list of current Questar III programs.

- Automotive Technologies
- Construction Technologies
- Cosmetology
- Criminal Justice
- Culinary Arts
- Gaming Multimedia
- Heavy Equipment Repair & Operations
- Heating, Ventilation, Air Conditioning, Refrigeration (HVAC/R) & Green Technologies
- Welding

These programs are available for students with disabilities:

- Automotive Services

For High School Seniors Only:

- Certified Nurse Assistant (CNA)

NEW VISIONS

These programs are designed for college-bound seniors who are in the top 20% of their class. New Visions programs are offered to challenge and enlighten highly motivated seniors who have decided on their future career field.

Questar III programs

- Medical, located at Samaritan Hospital, Troy, NY
- Pathways in Education, located at SUNY Albany
- Science, Technology, Engineering and Math (STEM), located at Rensselaer Polytechnic Institute
- Scientific Research and World Health, located at SUNY Albany's East Campus in East Greenbush
- Visual and Performing Arts, located at the Arts Center of the Capital Region in Troy
- Emergency Preparedness, Informatics, Cyber and Homeland Security, located at SUNY Albany

The Questar III Course Catalog can be viewed at www.questar.org - this includes the Questar New Visions programs. (Please note that some programs offered by QUESTAR III are located only at their Columbia Greene Educational Center and therefore unavailable to Hoosic Valley students.) All students are encouraged to speak with parents, teachers, and school counselors if he or she is interested in supplementing his or her high school career with a career or technical program.

2024-2025 Course Offerings

ENGLISH DEPARTMENT

100 English 7

Course Description: Class Meeting: 5 days/week/1 year

Course features short story and poetry reading. Also modern novels such as Freak the Mighty by Rodman Philbrick, are read. Coursework also includes essay and creative writing as well as a research project and oral projects. ELA State Test tasks are the focus of the midterm and final exam.

Final Exam: School

110 English 8

Course Description: Class Meeting: 5 days/week/1 year

English Language Arts 8 covers a variety of topics that are encompassed within the Common Core Learning Standards for ELA. Units include a narrative writing Memoir Unit, an interdisciplinary unit in conjunction with Social Studies on the Holocaust Research Writing, S.E. Hinton's classic novel, The Outsiders, as well as crucial reading skills and strategies that will aid comprehension in all of the content areas. The common thread that weaves throughout the year is independent reading, which is individually chosen and geared at each student's own pace and comfort level. ELA 8 challenges each student to read more than in previous years, expanding and building a reading repertoire.

Final Exam: School

1010 English 7/8 Skills Credit: No Credit

Course Description: Class Meeting: 5 days a week/or every other day

English Skills enhancement/extended classes are offered at each level to provide additional instructional support to students, as an extension of class or as an Academic Intervention Service (AIS). Students have the opportunity for pre-teaching, re-teaching, and homework assistance within the school day.

The courses are **not** credit bearing and are graded as Satisfactory/Unsatisfactory. Students with a Final Course grades of less than 75 in the prerequisite course or a score of one (1) on the NYS Assessment will be scheduled for the related Extended course.

R100 Literacy Skills (Grades 7 and 8) Credit: No Credit

Course Description: Class Meeting: 5 Days a week/or every other day

This course provided students with the opportunity to develop and improve literacy skills. Students will work in a small group setting focusing on reading comprehension, reading fluency, vocabulary, phonics and writing. Students will read a wide variety of fiction and nonfiction texts including articles, short stories, leveled books and novels.

122 English 9R Credits: 1.0

Course Description**:** Class Meeting: 5 days/week/1 year

English 9 is a genre survey course. The class features short stories, poetry, science fiction, an introduction to Shakespeare via *The Tragedy of Romeo and Juliet*, and a novel unit based on the classic To Kill a Mockingbird by Harper Lee. Coursework also includes non-fiction article responses, journals, a brief MLA research report, study of literary terms and devices, compositions, vocabulary, grammar, spelling, quizzes and unit tests. Common Core based tasks are the focus of the mid-year and final examinations. *Final Exam: School*

128 English 9H Credits: 1.0

Prerequisite: English 8 and Teacher Recommendation Class Meeting: 5 days/week/1 year

Course Description**:**

English 9 Honors is a genre survey course. The class features short stories, poetry, science fiction, an introduction to Shakespeare via *The Tragedy of Romeo and Juliet*, a novel unit based on the classic To Kill a Mockingbird by Harper Lee, and a memoir study of Night by Eli Wiesel. Course work includes formal essays, creative writing, non-fiction article responses, journals, an MLA research report, study of literary terms and devices, compositions, vocabulary, grammar, spelling, quizzes, oral presentations, and unit tests. Common core based tasks are the focus of the mid-year and final examinations. **English 9 Honors students must maintain a minimum average of 85% for each of the 4 marking periods, the mid term examination, and the final examination in order to remain in the Honors Program.**

Final Exam: School

132 English 10R Credits: 1.0

Prerequisite: English 9 Class Meeting: 5 days/week/1 year

Course Description:

This course, aligned with Common Core Standards, is a survey of genres and a study of the elements of traditional literature-short story, modern and Shakespearean drama, poetry, legend, novel. Students also study non-fiction—memoir, biography, essay, speech writing. An example is a thematic unit on Imperialism that incorporates the novella The Pearl by John Steinbeck with essays on Imperialism and memoirs of those who experienced it. Students will study persuasive techniques and learn to incorporate those techniques in their writing. Students will complete a unit on Greek Drama reading the play Antigone by Sophocles and a unit on Elizabethan Drama reading Macbeth. A school midterm and final exam modeled after the Common Core Regents exam is given. *Final Exam: School*

135 English 10H Credits: 1.0

Prerequisite: Teacher recommendation Class Meeting: 5 days/week/1 year

Course Description:

This course, aligned with Common Core Standards, is a survey of genres and a study of the elements of traditional literature—short story, modern and Shakespearean drama, poetry, epic, legend, novel. Students also study non-fiction—memoir, biography, essay, speech writing. Students will study persuasive techniques and learn to incorporate those techniques in their writing. The English 10 Honors curriculum includes British Literature, as well as American. Major works studied include Beowulf, Canterbury Tales, and Macbeth. A school midterm and final exam modeled after the Common Core Regents exam, is given. **English 10 Honors Students must maintain a minimum average of 85% for each of the 4 Marking Periods, the Mid-Term examination, and the Final examination in order to remain in the Honors Program.** *Final Exam: School*

142 English 11R Credits: 1.0

Prerequisite: English 10 Class Meeting: 5 days/week/1 year

Course Description:

This is a mandatory ELA class based on NYS Common Core learning standards. Students will read fiction, nonfiction, essays, speeches, poetry, etc. Students will write to analyze, inform, describe, narrate, and persuade. There are two research projects during the second semester. A journal is kept for weekly creative writing. SAT vocabulary is covered as part of the course. *Final exam: Comprehensive Regents/Common Core (Graduation requirement for all students)*

145 English 11 AP Language and Composition Credits: 1.0

Prerequisite: English 10 and Teacher recommendation Class Meeting: 5 days/week/1 year

Course Description:

This class includes the same standards as the English 11 Common Core Regents course. In addition, this course is designed for students to appreciate the use of language and rhetorical strategies. There is an additional reading assignment per week compared to the English 11 course and mandatory discussion. There are also several writing assignments that are above and beyond the English 11 course. Students not only read and study rhetorical strategies, they are expected to write using rhetoric as well. *Final Exam: AP test and NYS Regents - Cost for 2024-2025 Exam $99.00*

152 English 12 Mythology and Mystery Credits: 0.5

Prerequisite: English 11 Class Meeting: 5 days/week/1 semester

Course Description:

Mythology—This class is the study of primarily Greek and Roman mythology. Edith Hamilton's Mythology serves as the primary text for the class. Additional text, resources, resources and films will serve to supplement the course. Mythology class will cover the creation myths, legends, the Twelve

Olympians, the great heroes before and during the Trojan War, *The Iliad*, *The Odyssey*, and *Oedipus*. *Final Exam: Project*

Mystery—This class is the study of the mystery and detective genres. The class will focus primarily on the works of Edgar Allan Poe, Agatha Christie, and Sir Arthur Conan Doyle. Plays, short stories, and film will form the basis for the content of the course. *Final Exam: Project*

154 Film and Mass Media Communications Credits: 0.5

Prerequisite: English 11 Class Meeting: 5 days/week/1 semester

Course Description:

This dynamic elective course for seniors explores the multifaceted world of film and mass media communications. Students will delve into the history, theory and impact of cinema and mass media on society, cultivating an eye for analyzing and understanding various forms of media storytelling. Through an engaging curriculum, students will explore the evolution of film, dissecting genres, techniques and influential works that have shaped the way we look at the world. Through the study of film, advertising, social media and more, we will reflect on the ways that modern media helps viewers to develop a sense of self and a deeper understanding of our world. Evaluations include reflection papers, class discussions and project-based learning.

151 Research Writing and College Study Skills Credits: 0.5

Course Description: Class Meeting: 5 days/week/1 semester

This course is designed to prepare students for college-level reading and writing assignments. There are weekly readings, discussions and journal writing. There are 4-5 diverse research papers done throughout the semester. Students use MLA and APA documentation and complete their own primary research as well. There is a final project. *Final Exam: School*

153 Creative Writing Credits: 0.5

Course Description: Class Meeting: 5 days/week/1 semester

This course is designed for students to learn and improve on creative writing skills in a variety of genres. Students compile work throughout the semester and create a portfolio. Description, figurative language, dialogue, narration, and poetry are a few of the writing styles that are practiced in the course.

Final Exam: School

SOCIAL STUDIES DEPARTMENT

Global History and Geography

Global History and Geography is a two-year social studies sequence, given in the 9th and 10th grade, which incorporates a thematic and chronological approach to the study of past and present civilizations. The Regents Exam will occur at the end of 10th grade and will primarily focus on, but not be limited to 10th grade content. The unifying themes of both courses include:

- Individual Development and Cultural Identity
- Development, Movement, and Interaction of Cultures
- Time, Continuity, and Change
- Geography, Humans, and the Environment
- Development and Transformation of Social Structures
- Power, Authority and Governance
- Civic Ideals and Practices
- Creation, Expansion, and Interaction of Economic Systems
- Science, Technology, and Innovation
- Global Connections and Exchange

200 Social Studies Grade 7

Course Description: Class Meeting: 5 days/week/1 year

Students will examine the United States and New York State from the beginning with the settlement of North America by Native Americans through the causes of the Civil War. The course will focus on emphasizing the skills of chronological reasoning and causation, and will integrate skills and content from geography, politics, and culture into the study of history. *Final Exam: School*

210 Social Studies Grade 8

Course Description: Class Meeting: 5 days/week/1 year

Students will examine the United States and New York State from the Causes of the Civil War to present day America. The course will focus on emphasizing the skills associated with gathering, using, and interpreting evidence; chronological reasoning and causation; comparison and contextualization; geographic reasoning;economics and economic systems; and civic participation. Final Exam: School

222 Global History 9R Credit: 1.0

Prerequisite: None Class Meeting: 5 days/week/1 year

Course Description:

This course presents an introduction to the major themes in the study of Global History and Geography, indicated above. The course pursues a topical and chronological approach to world history beginning with the Paleolithic Era

and continuing through to approximately 1750 CE. Particular attention will be paid to the theme of Time, Continuity, and Change as well as skills previously introduced in Social Studies 8. Final Exam: School

221 Global History and Geography 9H Credit: 1.0

Prerequisite: Teacher Recommendation and a 90% average Class Meeting: 5 days/week/1 year

Course Description:

This course presents an introduction to the major themes in the study of Global History and Geography, indicated above. The course pursues a topical and chronological approach to world history beginning with the Paleolithic Era and continuing through to approximately 1750 CE. Particular attention will be paid to the theme of Time, Continuity, and Change as well as skills previously introduced in Social Studies 8. Incorporates the same themes and approaches at a deeper level of study. Final Exam is modeled after the Global 10 Regents. Final exam tests content knowledge and student's ability to apply that content through responses to objective multiple-choice questions and constructed-response questions, and an enduring issues essay based on the 9th grade social studies framework only.

232 Global History and Geography 10R Credit: 1.0

Prerequisite: Global 9 Class Meeting: 5 days/week/1 year

Course Description:

This course continues with the topical and chronological approach that the 9th grade social studies program employs. The course continues the exploration of the major themes in history beginning with The World in 1750 and includes an extensive study of the Age of Revolutions (1750-1914). The course ends with a look into the development of nations in the 21st Century. Final Exam: Regents (Graduation Requirement) The exam, a requirement for all students, tests content knowledge and student's ability to apply that content through responses to objective multiple-choice question and constructed-response question, and an enduring issues essay

231 Global History and Geography 10H Credit: 1.0

Prerequisite: Global 9H Teacher Recommendation and a 90% average

Course Description: Class Meeting: 5 days/week/1 year

The purpose of this course is to develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. Final Exam: Regents (Graduation Requirement) The exam, a requirement for all students, tests content knowledge and student's ability to apply that content through responses to objective multiple-choice questions and constructed-response questions, and an enduring issues essay.

AP US History-11th grade Credit: 1.0

Prerequisite: Permission of Instructor/Teacher Recommendation

Course Description: Class Meeting: 5 days/week/1year

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. *Cost for 2024-2025 Exam $99.00*

242 US History & Government 11R Credit: 1.0

Prerequisite: Achievement in Global 9 & 10 Class Meeting: 5 days/week/1 year

Course Description:

This course will emphasize basic constitutional issues and the application of those principles to both historical and contemporary life. The course covers U.S. History from Colonial America to the present. *Final Exam: Regents (Graduation Requirement)*

251 Economics Credit: 0.5

Prerequisite: Achievement in US History Class Meeting: 5 days/week/1 semester

Course Description:

This course will provide economic concepts, facts, descriptive materials and theories through which students can make thoughtful analysis of economic issues and problems. *Final Exam*

253 Government Credit: 0.5

Prerequisite: Achievement in U. S. History Class Meeting: 5 days/week/1 semester

Course Description:

The purpose of this course is to assist and encourage the development of potential civic-minded individuals who will be capable of effectively performing their “civic duty”: a fundamental precept of democracy and a right guaranteed by the 14th amendment of the Constitution. *Final Exam: School*

273 Government – Honors Credit: 0.5

Prerequisite: Permission of the Instructor Class Meeting:5 days/week/1 semester

Course Description:

This is a college level, introductory course that gives students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the

institutions, groups, beliefs, and ideas that constitute U.S. politics. Major topics include: Constitutional Underpinnings of the US Govt.; Political Beliefs and Behaviors; Political parties, Interest Groups and Mass Media; Institutions of National Government; Public Policy; Civil Rights and Civil Liberties.
Final Exam: School

MATHEMATICS DEPARTMENT

300 Math 7

Course Description: Class Meeting: 5 days/week/1 year

Math 7 builds on the foundations from 6th grade. The heart of the course deals with fractions, ratios and proportions. Students work on skills without a calculator like operations with integers and fractions (rational numbers). Ratios and Proportions are often applied to real life money problems and scaling. An algebraic process (solving for x) is used for many word problems, equations and inequalities. Some probability and statistics are also reviewed. *Final Exam: School*

301 Math 7/8 Accelerated

Course Description: Class Meeting: 5 days/week/1 year

This class studies the same topics as math 7 with the addition of some 8^{th} grade topics, such as graphing linear equations, slope, writing linear equations, solving multistep equations algebraically, exponent rules, and some additional geometry topics. Students must be organized. They must be able to keep track of their papers and access them quickly. A lack of organization results in missing work, late work, or time spent on other things when one needs to be listening or learning etc. Students must be resourceful. Students must be able to understand and try new material given notes or a video etc. Students must know how to find an answer on their own. An accelerated student should be more independent than an average student. Students must already have mastered the 6^{th} grade material. They are expected to know everything from 6^{th} grade and class time will be spent on learning 7^{th} or 8^{th} grade material.

Students also need to be attentive and well behaved so that the fast pace of the class may be maintained. The class has a faster pace due to the fact that 2 years of math will be taught in one. Focus must be maintained in order to keep up. *Final Exam: School*

311 Math 8

Course Description: Class Meeting: 5 days/week/1 year

Eighth grade math consists of five main clusters: Number systems, Equations and Exponents, Functions, Geometry, and Probability and Statistics. In number systems, students learn about the properties of rational numbers as they relate to the real numbers. Students learn to evaluate square

roots and learn the importance of perfect squares and perfect cubes. While working with equations and exponents, students learn to develop the laws of exponents and they learn to evaluate algebraic expressions using the laws of exponents. Students also become adept at solving linear equations to real world problems and applications. While studying functions students learn to develop the understanding that a function is a mathematical relationship that assigns one and only one unique output for each input. Students compare the properties of functions graphically, algebraically, and using a table of values. Students also learn to incorporate the properties of linear functions when working with rate of change. Geometry and transformation geometry: Students learn the properties related to parallel lines and angles and study the concepts and rules associated with reflection, rotation, translation, and dilation on the coordinate plane. Students also learn the properties associated with the exterior angle of a triangle and incorporate algebra to find the unknown angle. In addition, students learn to calculate the volume of three dimensional objects such as cones, cylinders, and spheres. In probability and statistics students learn to construct and interpret scatter plots for bi-variable data and to investigate patterns of association between two quantities. Students also learn to develop patterns associated with the line of best fit as well as positive and negative correlation. *Final Exam: School*

3200 Pre-Algebra Credit: 1.0

Prerequisite: Teacher Recommendation Class Meeting: 5 days/week/1 year

Course Description:

This course is year 1 of a 2 year prep for the Common Core Regents exam, with a focus on basic skills. See Algebra course description for a list of topics. *Final Exam: School*

329 Algebra I R Credit: 1.0

Prerequisite: Teacher Recommendation Class Meeting: 5 days/week/1 year

Course Description:

This is a course in which students learn to solve problems resulting in all types of linear, quadratic, absolute value and exponential functions. Other topics include measurement within a problem-solving context, data analysis including measures of central tendency, correlations and causation, arithmetic and geometric sequences. *Final Exam: Common Core Algebra Regents exam in June*

3050 Math 7 Extended

3060 Math 8 Extended

324 Algebra Extended Credit: No Credit

Class Meeting: every other day

Course Description:

Math enhancement/extended classes are offered at each level to provide additional instructional support to students, as an extension of class or as an Academic Intervention Service (AIS). Students

have the opportunity for pre-teaching, re-teaching, and homework assistance within the school day. The courses are **not** credit bearing and are graded as Satisfactory/Unsatisfactory.

332 Geometry-Non-Regents Credit: 1.0

Prerequisite: Algebra Class Meeting: 5 days/week/1 year

Course Description:

In this course, students will study similar topics as the Regents Geometry students but at a comfortable pace. Topics include Logic, Proof, Congruence, Transformations, Properties of Parallel and Perpendicular Lines, Coordinate Geometry, Properties of Parallelograms, Raio & Similarity, Circles and Constructions. It satisfies one year of the three year NYS Math requirement for those seeking a Regents Diploma. It is NOT for students pursuing an Advanced Regents Diploma.

Final Exam: School

333 Geometry-Regents Credit: 1.0

Prerequisite: Algebra Class Meeting: 5 days/week/1 year

Course Description:

This course is for students pursuing an Advanced Regents Diploma. In this course students will prove in both formal and informal ways that a conclusion follows logically from its hypothesis. Students will justify geometric relationships and properties of geometric figures, and establish congruence and similarity of polygons using appropriate theorems. Other topics include trigonometry, constructions, transformations, coordinate geometry, and properties of triangles, quadrilaterals, and circles. *Final Exam: NYS Geometry Regents*

338 Algebra 2-R Credit: 1.0

Prerequisite: Geometry-R Class Meetings: 5 days/week/1 year

Course Description:

This course is for students pursuing an Advanced Regents Diploma. Topics of study include families of functions, complex numbers, arithmetic and geometric sequences and series, statistics, probability theory, circular functions, trigonometric equations and identities. Algebraic and graphic techniques will be used in problem solving applications. *Final Exam: NYS Alg. 2 Common Core Exam*

341 Algebra 2-Non Regents Credit: 1.0

Prerequisite: Geometry L or Geometry R Class Meetings: 5 days/week/1 year

Course Description:

This covers the same content as Algebra 2 Regents (see Algebra 2 Regents for a list of topics) but is assessed with a local final exam. It satisfies one year of the Three year NYS Math requirement for

those seeking a Regents Diploma. It is NOT for students pursuing an Advanced Regents Diploma. This is a great college prep course. *Final Exam: School*

350 Math 4H Precalculus (HVCC) Credit: 1.0 (4.0 college credits)
Prerequisite: Algebra 2 Regents Class Meeting: 5 days/week/1 year
Course Description:
This course is taught by Hoosic Valley faculty, but students can receive 4 college credits from Hudson Valley Community College. The tuition is paid by the students registered for the course. This course is a one credit local level advanced math course, with the option of enrolling Hudson Valley Community College's College in the High School Program and earning 4 college credits (HVCC MA10, registration and tuition payment required). Topics covered include multivariable systems of equations, matrices, sequences and series, limits polynomial functions, exponential and logarithmic functions and trigonometry. *Final Exam: School - HVCC Tuition Cost $70. Per credit/$280.00 2024-2025*

366 Calculus I (HVCC)/367 Calculus II (HVCC) Credit: 1.0 (4.0 college credits each)
Prerequisite: Precalculus Class Meeting: 5 days/week/1 year
Course Description:
This course is taught by Hoosic Valley faculty, but students can receive 8 college credits from Hudson Valley Community College. The tuition is paid by the students registered for the course. This is a calculus course offered to the advanced math students who have completed the precalculus course. The topics covered are functions, derivatives and integrals with an emphasis on their uses and applications. This course is a one credit local level advance course, with the option of enrolling in Hudson Valley Community College's College in the High School Program and earning 8 college credits, 4 per semester. (HVCC MA180 & MA190, registration and tuition payment is required). *Final Exam: School - HVCC Tuition Cost $70. Per credit/$280.00 2024-2025 for each course*

605 Business Math Credit: 1.0
Prerequisite: None Class Meetings: 5 days/week/1 year
Course Description:
This course includes algebra-based calculations and analysis of business investment situations, including simple and compound interest, annuities, applications of present value, future value, and a conceptual discussion of business investment. This course fulfills the third year math requirement. This type of math is presented in familiar contexts such as everyday business transactions, math

needed to make important personal financial decisions and math needed to possibly start and run your own small business. *Final Exam: School*

SCIENCE DEPARTMENT

400 Science Grade 7

Prerequisite: Complete grade 6 Class Meeting: 5 days/week/1 year

Course Description:

This course is for all 7th graders. It covers the basic concepts of biology. These include genetics, intro to biochemistry, cell form and structure, cell processes, evolution, ecology, classification, microbiology, botany, and the study of the human body. Introduction to System International (metric system) will be practiced throughout the year. Skills for lab technique and working with a microscope are practiced. *Final Exam: School*

401 Science 8 Class Meeting: 5 days/week/1 year

Course Description:

This is a physical science based course. The students will learn about the properties of matter and energy. Emphasis is on preparing them for the Regents requirements they will face in the high school science courses. The course begins with a safety unit, since labs and activities are an integral part of the program. Other topics to be taught include metric measurements, the laws of motion, properties of matter, structure of the atom, and energy. Concepts that were taught in grades 5-7 will be reviewed in the second semester in order to prepare students for the NYS Intermediate Level Science assessment.

Final Exam: School

407 7/8 Accelerated Science

Prerequisite: Completion of Grade 6 and teacher recommendation.

Course Description: Class Meeting: 5 days/week/1 year

This course is designed to challenge students and to cover the material from 7th grade life science and to prepare students for Earth Science. Additional concepts covered are matter and energy, atomic structures, chemical bonds (ionic covalent), periodic law and the introduction to Stoichiometry. Writing complete lab reports will be stressed, along with scientific research. *Final Exam: School*

421 Earth Science, the Physical Setting-R Credit: 1.0

422 Physical Setting Lab-R Class meeting: 5 days/week/1 year

Course Description: Lab: every other day

Regents Earth Science is a course based on the New York State Regents Physical Setting: Earth Core Curriculum, utilizing the process of scientific investigation through the study of the physical world. The course focuses on all aspects of the planet earth. That includes several different topics studied in geography, geology, meteorology, oceanography and astronomy. The course will be dependent upon laboratory experiences and culminate in a two-part State examination (lab performance and written sections). *Final Exam: Regents*

431 Living Environment-R Credit: 1.0

432 Living Environment Lab-R Class meeting: 5 days/week/1 year

Course Description: Lab: every other day

This is a course in the basic concepts of biology emphasizing the major topics of genetics, physiology, biochemistry, cell biology, classification, reproduction, evolution, and ecology. These themes point to the unity, diversity, and continuity of how life maintains homeostasis in its environment. Lab work is emphasized. *Final Exam: Regents*

441 Chemistry-R (Physical Setting) Credit: 1.0

442 Chemistry Lab-R Class meeting: 5 days/week/1 year

Co-Requisite: Algebra 2 Lab: every other day

Prerequisite: Geometry; Satisfactory completion of 2 years of science.

Course Description:

This is a college preparatory course in chemistry, covering matter and energy, atomic structure, chemical bonding, Periodic Law, Stoichiometry, chemical kinetics and equilibrium, acids and bases, electrochemistry, oxidation-reduction, organic chemistry, nuclear chemistry, and the application of chemical principles. *Final Exam: Regents*

445 General Chemistry Credit: 1.0

Prerequisite: Completion of 2 science credits and completion of one regent's exam.

Course Description: Class meeting: 5 days/week/1 year

The course is designed to introduce students to the various concepts of chemistry. This course is designed to fulfill the third year science requirement for students not taking the Chemistry Regents course. The concepts covered include: matter and energy, atomic structure, chemical bonding, periodic law, stoichiometry, chemical kinetics and equilibrium, acid and bases, and the gas laws. Labs will be used to reinforce the concepts from class. Please note that there is not a separate lab period. *Final Exam: School*

(Last day to transfer in—1st Friday after start of second semester: at the discretion of the principal)

451 Physics-R Credit: 1.0
452 Physics Lab-R Class meeting: 5 days/week/1 year
Prerequisite: Geometry and Regents Chemistry Lab: every other day
Course Description:
This is a challenging course designed to present modern concepts in physics, with emphasis on the fundamental laws and principles underlying this basic science. This course covers units such as the laws of motion, nuclear energy, electricity, magnetism, optics, and wave motion. *Final Exam: Regents*

454 Science Research (U-Albany) Credits:1/optionally, up to 12 college credits through SUNY Albany
Prerequisite: 1 year high school science and permission of instructor.
Course Description: Class meeting: 240 hours/year class & independent time
This course is taught by Hoosic Valley faculty, but students can receive up to 12 college credits from SUNY Albany throughout the course of the program. The tuition is paid by the students registered for the course. This course offers the students the opportunity to participate in the field of scientific research. Students develop skills involving online bibliographic searches, reading and writing scientific articles and making presentations. Topics may be chosen from any field and allows an in-depth exploration in an area of interest to the student. All research is self-directed and should be authentic, original, scientific work. After choosing a topic, students develop a problem, hypothesis, and procedure with a mentor. Data is then collected and analyzed. Conclusions are drawn from the results and presented at one of several venues (our own symposium, Intel Science Talent Search, Junior Science & Humanities Symposium, and /or others). The entire process takes three years to complete and requires time management skills and commitment on the part of the student. Independent Study not allowed as an option. *Final Exam: Complete final paper and participate in Symposium at end of year.*

455 Anatomy & Physiology Credit: 1.0
Prerequisite: Regents Living Environment and Chemistry Class meeting: 5 days/week/1 year
Course Description:
This course emphasizes the essential physiological principles underlying the function of the human body. The following systems and/or units will be covered: cells and tissue, muscular, nervous, endocrine, cardiovascular, blood, respiratory, digestive, and urinary systems; fluid balance and reproduction. *Final Exam: School*

468 Environmental Science Credit: 0.5

Course Description: Class Meeting: 5 days/week/ ½ year

This course is designed as an introductory level Environmental Science. This course is offered as a ½ year course to fulfill a portion of the 3rd year science sequence credit. The emphasis is on local and global environmental issues such as resource depletion, air, land and water pollution and climate change. This course is designed to fulfill the third year science requirement for students not taking the Chemistry Regents course.

*** It is highly recommended that prospective students have passed both the Physical Setting/Earth Science and Living Environment Regents examinations. Final Exam: School*

470 Forensic Science Credit: 1.0

Prerequisite: Completion of 2 regents level courses AND exams AND prior instructor recommendation Class Meeting: 5 days/week/1 year

Course Description:

Forensic science is the application of various branches of science (e.g. chemistry, biology, physics) within the sphere of criminal justice. This course intends to provide an introduction to understanding the science and methodology behind crime detection and investigation. Some topics include: blood analysis, DNA, ballistics, hair and fiber comparisons, toxicology, fingerprinting, and arson investigations. This course is not appropriate for students who would rather not contemplate topics including, but not limited to: murder, assault, wounds, blood, violence, trauma.

Final Exam: School

480 Marine Biology Credit: 0.5

Course Description: Class Meeting: 5 days/week/ ½ year

This course is offered as a ½ year course to fulfill a portion of the 3rd year science sequence credit.

Eligible students: Juniors or Seniors who have successfully completed BOTH Earth Science and Living Environment. In this course,students investigate the scientific world of ocean organisms and physical characteristics of the ocean and its processes. Students will use technology (including satellite Earth imagery), classroom activities, case studies, etc. to access, interpret and apply the process of scientific inquiry. Course focus will be on ocean biodiversity, food webs, population changes, human impact and marine organism relationships. *Final Exam: Instructor*

FOREIGN LANGUAGE DEPARTMENT

500 Spanish 7
501 Spanish 8 Credit: 1.0 after 2 years
Prerequisite: None Class Meeting: 5 days/week/1 year
Course Description:
This course will take place in the Middle School during grades 7 & 8 and equal Level One of the Language. Students are introduced to basic vocabulary, the present and past tenses, and the geography and culture of the Francophone and Hispanic worlds. Material is taught through cooperative learning, games, and projects. *Final Exam: School*

523 Spanish 2 Credit: 1.0
Prerequisite: French/Spanish 1 Class Meeting: 5 days/week/1 year
Course Description:
This course introduces the students to numerous tenses and detailed topical vocabulary. Students begin to compose original sentences and paragraphs as well as conduct conversations. The course is enhanced with cultural projects and films. *Final Exam: School*

524 Spanish 3 Credit: 1.0
Prerequisite: French/Spanish 2 Class Meeting: 5 days/week/1 year
Course Description:
This course is a continuation of grammar and vocabulary. In addition, it emphasizes the four skills necessary for proficient communication in the language: reading, writing, speaking and listening. Cultural projects and videos enhance the course. *Final Exam: School*

526 Spanish 4 Credit:0.5 + 3 college credits (HVCC)

Prerequisite: Spanish 3 Class Meeting: 5 days/week/1 year

Course Description:

This is an introductory college-level course which covers all tenses and creates a broad vocabulary knowledge, both of which are applicable to personal and professional expression in the target language. Hispanic culture, film, literature, and drama are explored. Students have the opportunity to receive 3 college credits in cooperation with HVCC and the College in the High School program. If students opt to receive credit they pay discounted college tuition for the course and receive credit upon successful completion. *Final Exam: School - HVCC Tuition Cost $70. Per credit/$210.00 2024-2025*

527 Spanish 5 Credit: 0.5 + 3 college credits (HVCC)

Prerequisite: Spanish 4 Class Meetings: 5 days/week/1 year

Course Description:

This is a continuation of work with the skills as in 525 with an in-depth study of Hispanic literature and culture. Students do research papers and make oral presentations as well as continue to improve foreign language skills. Students have the opportunity to receive 3 college credits in cooperation with HVCC and the College in the High School program. If students opt to receive credit they pay discounted college tuition for the course and receive credit upon successful completion. *Final Exam: School - HVCC Tuition Cost $70. Per credit/$210.00 2024-2025*

BUSINESS EDUCATION DEPARTMENT

602 Personal Finance Credit: 0.5

Prerequisites: Grades 10-12 Class Meetings: 5 days/week/1/2 year

Course Description:

This course is designed to provide students with a fundamental understanding for making informed personal financial decisions. The course will focus on topics including: income, money management, debt, risk management, spending and credit, as well as saving and investing. Students will design personal and household budgets, simulate use of checking and savings accounts, demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes.

609 Introduction to Sports Management/Marketing Credit: 1

Prerequisites: Grades 10-12 Class Meetings: 5 days/week/1 year

Sports Marketing is designed to give students an introduction into the basic concepts of marketing in sports. The course will focus on effective marketing and promotion strategies, how to interpret marketing

analytics and data analysis, as well as tools to develop your own marketing plan within the sports and fitness industry. An emphasis will be on studying marketing theory to understand the relationship between sports marketing/promotion, the success of sporting events/facilities, and the economic development for a sports venue/destination.

The management portion of this course is designed to give students an introduction into the basic concepts of management within the sports industry. It will focus on information pertaining to the history and foundations of sport management, the differing levels of sport (e.g., youth, recreation, amateur and professional), the various sport industry segments, international sport, and current ethical and social issues in sport. An emphasis will also be on the various career paths within the sports management field, as well as the skills and competencies required to pursue those opportunities.

TECHNOLOGY DEPARTMENT

705 Production Systems I Credit: 0.5

Prerequisite: Successful completion of DDP Class Meeting: 5 days/week/1 semester

Course Description:

This course is offered to students in grades 10 through 12. Hands-on activities in the development, production and evaluation of manufactured goods will emphasize a team approach to manufacturing. In this course, the inputs, resources, processes, outputs, and content of product productions are studied. Through job activities, using related tools and materials, the students simulate the operation of the systems of in-plant production to produce tangible take home products. *Final Exam: School*

707 Energy and Power Credit: 0.5

Prerequisite: None Class meeting: 5 days/week/1 semester

Course Description: *Available Every Other Year*

This course is offered to students in grades 9 through 12. It introduces students to the common forms of energy, their uses, conservation, social impacts, and related occupations. Laboratory activities include the constructing and testing of models, as well as experimentation with devices that are related to the use, efficiency and measurement of energy. This course provides hands-on experience with the common energy systems, where students build various energy related projects that are of interest to them, then test and problem solve with "What if" experiments. *Final Exam: School*

708 Basic Electricity/Electronics Credit: 0.5

Prerequisites: None Class Meeting: 5 days/week/1 semester

Course Description: *Available Every Other Year*

This course is offered to students in grades 9 through 12. In this course students will become familiar with the comprehension of electrical technologies as represented by the home environment. The student will study the common electrical systems and devices found in the home. Laboratory activities include experiments in electric theory and project construction. Electricity in the home; line and low voltage electronic systems; passive and active devices; circuit applications; integrated circuits and digital electronics make up the course topics. Student's lab time is also spent assembling take home kits and building various electronic devices. *Final Exam: School*

712 Design/Drawing/ Production Credit: 1.0

Prerequisite: None Class Meeting 5 days/week/1 year

Course Description:

This course is offered to students in grades 9 through 12. Design and Drawing for Production (DDP) is a course which emphasizes creative problem solving, designing, and technical drawing. The course reflects the approach used in business and industry to develop new products. Students develop new solutions to various product design problems and proposed solutions are researched, refined, and rendered as technical drawings. Basic elements of design, and the six basic areas of technical drawing are covered in this course. *Final Exam: School*

716 Residential Structures Credit: 0.5

Prerequisite: Successful completion of DDP Class meeting: 5 days/week/1 semester

Course Description:

This course is offered to students in grades 10 through 12. This course studies the many systems and skills involved in constructing non-high rise residential buildings. Residential Structures does involve some technical drawing and reading of floor plans and should be taken only after successful completion of DDP. Course content includes resources, such as materials, supplies, and finances; processes such as planning, framing, roofing, and insulating; and outputs such as quality assurance, environmental impact, and economic consequences. Students will also be involved in scale model building as well as construction of a full scale residential structure. *Final Exam: School*

706 Transportation Systems Credit: 0.5

Prerequisite: None Class meeting: 5 days/week/1 semester

Course Description: *Available Every Other Year*

This course is offered to students in grades 9 through 12. The study of aerospace and marine transportation. The development of transportation systems has had a tremendous impact on the growth of various societies. Transportation systems allow man to not only move himself, but durable and non-durable goods in a very fast efficient manner. The course explores the transportation industry

with three sub-modules; land, marine, and aerospace transportation. Lab work consists of systems experiments, trouble-shooting, problem solving, and prototype model construction. Research will be conducted to construct working models. *Final Exam: School*

709 Production Systems II Credit: .5

Prerequisite: Completion of DDP,Production & Residential Class meeting:5 days/week/1semester

Course Description:

Space in this course is limited to 8 students. Advanced Production is a 20-week course designed to expand on students' knowledge and skills within the construction, electrical, and manufacturing industries.

In Production 1, students were assigned and built the same projects. In Production 2, students will be involved in choosing independent and team projects. Students will learn and use more advanced construction processes during the fabrication of each project. Students will have more opportunity for independent use of the tools and machines available in the workshop.

HVCHS700 Computer Aided Drafting 1 Credit:1.0 (4 college credits through HVCC)

Prerequisite: DDP Class Meeting: 5 days/week/1 year

Course Description:

This course is taught by Hoosic Valley faculty, but students can receive 4 college credits from Hudson Valley Community College. The tuition is paid by the students registered for the course. This course is offered to students in grades 10 through 12 who have previously completed the DDP course. Utilizing current Computer Aided Drafting (CAD) software, students will apply standard drafting theory to a diverse set of two-dimensional computer aided drafting applications. Topics included in this comprehensive, introductory level course are: primarily CAD software techniques, basic computer skills, creation and editing of geometry, plotting, single and multiple view drawings, coordinate systems, dimensioning, and basic block use. This course is offered through the College in the High School program.

HVCC Tuition Cost $70. Per credit/$280.00 2024-2025 Final Exam: By Instructor

HVCHS705 Advanced Topics in CAD Credit: 1.0 (4 college credits through HVCC)

Prerequisite: Computer Aided Drafting I Class Meeting: 5 days/week/1 year

Course Description:

This course is taught by Hoosic Valley faculty, but students can receive 4 college credits from Hudson Valley Community College. The tuition is paid by the students registered for the course. This course is offered to students in grades 10 through 12 who have previously completed the CAD 1 course. This course is offered through the College in the High School program.

HVCC Tuition Cost $70. Per credit/$280.00 2024-2025 Final Exam: By Instructor

ART DEPARTMENT

851 Art 8

Course Description: Class Meeting: 0.5 days/week/1 semester

Eighth grade Art is a continuation of sixth grade Art that studies the elements of Art, including form, line, shape, color, texture, space, and value. Also studied are the principles of design including emphasis balance, harmony, variety, movement, rhythm, proportion and unity. Students learn to use a variety of hands-on materials and techniques that enable students to visually create forms of communication. Students also learn to develop decision making, critical thinking, and problem solving skills. *Final Exam: School*

852 Studio In Art Credit: 1.0

Prerequisite: Art 8 Class Meeting: 5 days/week/1 year

Course Description:

This course offers a comprehensive foundation for all secondary art. It introduces the beginning student to basic visual concepts and emphasizes the development of drawing and color design skills. The basic elements of art are introduced in a variety of projects. *Final Exam: School*

853 Drawing & Painting I Credit: 1.0

Prerequisite: Studio Art Class Meeting: 5 days/week/1 year

Course Description:

This course is designed to help students create works that display personal expressions while exploring concepts of composition, content, visual and technical skills. The Elements of Art and the Principles of Design will be incorporated into projects. Artists and their artwork will be viewed.
Sketchbooks will be kept throughout the year to further enhance drawing skills. *Final Exam: School*

854 Drawing & Painting II Credit: 1.0

Prerequisite: Studio Art and Draw & Paint. I Class Meeting: 5 days/week/1 year

Course Description:

This course continues to build on the knowledge and skills acquired in Drawing and Painting I. The students are encouraged to expand their drawing skills into areas of abstraction and expressive drawing. The development of highly personal introspective image making is emphasized along with the exploration and use of a wide range of media in experimental ways. Artists and their artwork will be viewed. Sketchbooks will be kept throughout the year to further enhance drawing skills. *Final Exam: School*

811 Illustration Credit: 1.0

Prerequisites: Drawing & Painting I Class Meeting: 5 days/week/1 year

Course Description:

For students in grades 11-12. The class would be for students who have completed Drawing/Painting 1 and focus on the elements of visual storytelling where it be about life events, issues or people that are part of the student's environment(immediate or pop culture). The artists included but not limited to, are Anthony Saris, Winslow Homer, Alex Ross, Edgar Degas, Kay Sage, Kurt Seligman, Berkley Breathed, Bill Watterson, Norman Rockwell, as well as political/societal cartoonists.ic design will also be studied in the course. *Final Exam: School.*

855 Mixed Media Credit: 1.0

Prerequisite: 852/853/854 Class Meeting:5 days/week/1 year

Course Description:

These courses are for the advanced art students who want the challenge of investigating new and unique ways of making art, and focusing on the creative process rather than on a planned and calculated end product and encourages the unpredictable. Exploration and experimentation in painting, drawing, sculpture, and printmaking are emphasized. Projects will involve combining various media as well as devising innovative ways of interpreting environmental stimuli and unconventional use of materials and space. Artists and their artwork will be viewed. Sketchbooks will be kept throughout the year to further enhance drawing skills. Mixed Media I and II are independent of each other. *Final Exam: School*

858 Advanced Art Credit: 1.0

Prerequisite: Studio in Art + 2 other art courses Class Meeting: 5 days/week/1 year

Course Description:

This course is directed at the student in grades 11 and 12 who wishes to learn to draw realistically. It provides the student with fundamental rendering skills. The course presupposes that seeing/drawing ability is not solely a function of “talent” but a teachable learnable skill. Students will focus on drawing and painting from observation. Throughout the school year other creative avenues will be explored. Artists and their artwork will be viewed. Sketchbooks will be kept throughout the year to further enhance drawing skills. *Final Exam: School*

863 Portfolio (H) Credit: 1.0

Prerequisite: Studio in Art, D & P. I, D & P II, Permission of teacher

Course Description: Class Meeting: 5 times/week/1 year

This course is intended for students in grades 11 and 12. This course is directed at serious art students who wish to expand their knowledge and skills. Individual problem solving, in-depth personal critique and college portfolio preparation will be stressed. Students will focus on drawing skills and really learn how to observe. Trips will be taken to art museums to help students formulate strong personal ideas about their art. Students who are striving above and beyond midway through the course will be encouraged to submit a portfolio to the New York State Summer School of the Arts by recommendation of the teacher. Artists and their work will be viewed. Sketchbooks will be kept throughout the year to further enhance drawing skills. *Final Exam: School*

865 Ceramics Credit: 1.0

Prerequisite: Studio, D&PI, D&PII, and/or Portfolio Class Meeting: 5 times/week/1 year

This is a beginning ceramics class for students interested in gaining knowledge about clay! The basic concepts of sculptural and functional pottery will be introduced. Students will understand the basic elements of creating 3-D objects using the three hand building methods. Students will become familiar with ceramic tools, the glazing and firing process, and vocabulary of the clay world. Introduction to the wheel and throwing pots will be experimental.

880 Independent Art Credit: 1.0

Prerequisite: Four art courses and permission of the teacher

Course Description: Class meeting: 5 times/week/1 year

This course is offered to seniors who have completed a full art sequence. The student and teacher will work out a contract which will include material to be covered and projects to be completed.

Students in this course will continue to prepare their portfolio for college entrance. All work will be photographed by the student for college. Students will be expected to formulate their own ideas and really develop their own personal style. Artists and their work will be viewed. Sketchbooks will be kept throughout the year to further enhance drawing skills. *Final Exam: School*

MUSIC DEPARTMENT

960 Junior Chorus

Prerequisites: None Class Meeting: Every other day/1 year

Course Description:

Students in grades 7 and 8 are eligible to become a member of Junior Chorus where they will explore a variety of choral music styles in an ensemble setting. Working together as a team is an essential and necessary element of this class. Students will gain basic music literacy skills which will prepare them for Senior Chorus in grades 9-12. They will also learn about their own voice, through exploration of vocal technique, health, and pedagogy. Junior Chorus will give students the skills to become a better musician and singer, as they will become well informed about their own voice as well as how to use their own voice while singing with others. Students in Junior Chorus will strive to perform vocal pieces in 2-3 parts, levels I-III (easy to medium). Junior Chorus will allow students supplementary opportunities that will also help them to grow as a musician, such as All-County Chorus, NYSSMA Solo Festival and other unique hands-on opportunities. This course meets every other day.

Final Exam: School

961 Senior Chorus Credits: 0.5

Prerequisites: Junior Chorus or instructor approval Class Meeting: Every other day/1 year

Course Description:

Students in grades 9-12 are eligible to become a member of Senior Chorus where they will explore a variety of choral music styles in an ensemble setting. Working together as a team is an essential and necessary element of this class. Students will expand their music literacy skills learned in Junior Chorus, leading them to become a well-rounded musician. They will also expand their knowledge about their own voice, through further exploration of vocal technique, health and pedagogy. Senior Chorus will give students the skills to become a better musician and singer, as they will become informed about their own voice as well as how to use their own voice while singing with others. Senior Chorus is meant to follow participation in Junior Chorus, preparing student for studies in music in college. Students in Senior Chorus will strive to perform vocal pieces in 2-4 parts, levels II-IV (medium to advanced). Senior Chorus will allow students supplementary opportunities that will also help them to grow as musicians, such as All- County Chorus, NYSSMA Solo Festival and other unique hands-on opportunities. This course meets every other day. *Final Exam: School*

965 Junior Band Credit:0.5(may be repeated for credit)

Prerequisite:

7th grade: Prior participation in elementary band and/or teacher recommendation

8th grade: Prior participation in elementary band and junior band; or teacher recommendation

Course Description: Class Meeting: Every other day/1year

In Junior Band students will perform a range of music including concert band works, modern composition, and pops music. While in band, students will learn principles of ensemble playing and music literacy. Music literacy includes decoding notation, developing aural skills to make musical meaning of notation, and critical thinking related to interpreting and performing music. Included with the course grade are weekly pull-out lessons (of which students must attend 3 out of 6 weeks) with instruments to develop specific performance techniques. Students are expected to practice regularly for band rehearsals and lessons and this is considered homework for the course. This is a performing ensemble; students are required to attend all performances. *Final Exam: School*

966 Senior Band Credit:0.5(may be repeated for credit)

Prerequisite: Prior participation in junior band and/or teacher recommendation

Course Description: Class Meeting: Every other day/1 year

In Senior Band students will continue to perform a variety of music including traditional concert band works, modern compositions, and 'pops' music. While in band students will develop their ensemble playing skills and their music literacy. Music literacy includes decoding notation, developing aural skills to make musical meaning of notation, and critical thinking related to interpreting and performing music. Included with the course grade are weekly pull-out lessons (of which students must attend 3 out of 6 weeks) with instruments to develop specific performance techniques. Students are expected to practice regularly for band rehearsals and lessons and this is considered homework for the course. This is a performing ensemble; students are required to attend all performances. *Final Exam: School*

950 General Music

Prerequisite: 7-8th grade Class Meeting: 5 times/week/1 year

Course Description:

Music in Our Lives is offered to 7th and 8th grade students who are looking for an alternative music class to band and/or chorus. Students will gain musical experiences in singing, playing, composing, etc. Students will become investigators of music making and explorers of new ideas. Students are encouraged to think and discuss different aspects of music in terms of its importance to society, while also gaining basic techniques to further their musical interests beyond the scope of the course. Units can include:

- Ukulele - Learning the fundamentals of the instrument and how to read basic chord notation.
- Guitar - Learning the fundamentals of guitar and how to read tablature and chord notation. Students will also begin to accompany themselves with the instruments.
- Piano - Learning basic techniques on piano to play melodies and chord accompaniments. Students will also learn how to read traditional notation with this unit.
- Songwriting - Using techniques built upon from the previous units, students will write and

record their own songs and learn how to critique constructively.

- Music News - Students will read and respond to various newsworthy items in the music world. This will span from current events to the beginning of Western Music.

Students may be asked to complete several performance tasks including: a chamber concert, a research project, and a community event. This course will meet every other day. *Final Exam: School*

HEALTH & PHYSICAL EDUCATION DEPARTMENT

905 Physical Education (9-12) Credit: 0.5

Class meeting: Every other day/1 year

Course Description:

The physical education course is designed to provide students with lifelong knowledge and skills that will enhance their overall level of physical fitness through team and individual activities. Class participation and wearing appropriate exercise clothing is **required** in order to pass the course. *Final Exam: School*

907 Strength and Conditioning (11-12)

This course introduces the fundamental skills of weight training for personal fitness and athletic development through hands-on experience, participation, and guidance. Emphasis will be placed on proper techniques, training programs, and the overall benefits of weight training. This class fulfills the yearly requirement for Physical Education, and any male or female in grades 11-12 may elect to enroll, regardless of whether he/she participates on an interscholastic team.

975 High School Health Credit: 5

Prerequisite: None Class meeting: 5 times/week/1 semester

Or Every other day/1 year

Course Description: ***Graduation Requirement***

The course is designed to provide students with cognitive-based skills and decision-making skills which will lead to health promoting behaviors. The classroom topics are varied and coincide with National and State standards in health education. *Final Exam: School*

972 Wellness and Nutrition Credit: 0.5

Course Description: Class meeting: 5 times/week/1 semester

This course is designed to provide students with the knowledge and skills necessary to promote healthy development into adulthood. Specifically the course focus is on nutrition, physical activity, and mental wellness. The course topic and activities are varied and are utilized to promote overall health and wellness. *Final Exam: School*

SUPPORT SERVICES

Resource Room

Prerequisite: IEP Requirement

Class Meetings: 5 days/week or Alternate Days/1 year

Course Description:

Resource room is an opportunity for students to receive specialized support for all their academic classes. Specific focus will be paid to developing content knowledge as well as the requisite skills in the 40 minute class that can occur 5 times per week or alternating days. The instructor will use course specific assignments as well as independently created mini-lessons to help students achieve success for their course work. The class time will also be used to monitor the progress made towards achieving their IEP goals. Resource room is available for students in grades 7 -12 who also have an IEP.

College in the High School Courses

Hudson Valley Community College Online Course offerings vary by semester and can be found at: https://www.hvcc.edu/programs/highschool/cihs/offerings/index.html