

## **HERRICKS HIGH SCHOOL**



## **COURSE SELECTION GUIDE**

2024-2025

"He who learns but does not think, is lost! He who thinks but does not learn is in great danger."

Confucius

## HERRICKS HIGH SCHOOL COURSE SELECTION GUIDE

#### 2024-2025

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\*\*\*\*\*

The Herricks Union Free School District does not discriminate on the basis of race, color, national or ethnic origin, handicapping condition, religion, age, sex, or marital status.

In compliance with Title IX of the Education Act of 1972, it is the policy of the Herricks Board of Education that there shall be no discrimination on the basis of sex, with respect to the educational program and course offerings described in this book. This means that every course is open to both girls and boys. Courses may not be offered, however, if enrollment is insufficient, subject to a review by the Board of Education.

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## HERRICKS PUBLIC SCHOOLS



**Herricks High School** 

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Dear Herricks High School Students:

This publication of the 2024-2025 Course Selection Guide conveys a rich and powerful portrait of the uniqueness of Herricks High School. We suggest that you utilize this publication as a guide as you design your high school academic experience. Within this plethora of course offerings there are outstanding educational opportunities for all students. Herricks High School is a community of learners that is special, given the values, respect, diversity, and the commitment to excellence by our students, parents and staff.

You will find that your choices of academic selections are from courses that have been developed, enhanced, or reviewed to reaffirm the reputation of the rigorous academic programming offered at Herricks. It is expected that you and your fellow students will have classroom experiences that provide continuous progress toward your mastering the necessary 21<sup>st</sup> century skills of critical thinking, collaboration, communication, and creativity.

Please note that the 2024-2025 Course Selection Guide is compiled and included on our website prior to the finalization of our school district budget. As such, we want to make certain that you and your parents understand that some of the courses listed will be offered pending the final approval of the school budget. Also, our complex scheduling process may necessitate that certain courses be canceled and/or combined based on the number of student requests. However, in all instances you will be able to take the courses that are graduation requirements.

We encourage you to review this publication of the 2024-2025 Course Selection Guide thoroughly to learn more about Herricks High School, to plan for the upcoming academic year, and begin setting goals for your high school experience. It is important to carefully prioritize your course pathways. There is a unique opportunity in high school to take advantage of the many experiences offered in our programs that will enrich your high school resume in preparation for college and career readiness in the 21<sup>st</sup> century.

Sincerely yours,

Joan Keegan.

Principal

### **New York State Graduation Requirements**

### Understanding Current New York State Diploma Requirements

To earn a NYS diploma, students must meet credit and exam requirements. These requirements are separate and distinct and do not have to happen simultaneously.

Note: School districts may create diploma requirements in addition to those required by the NYS Education Department (NYSED).

### **Credit Requirements**

This table shows the number of credits required for each subject. It's important to note in most subjects, students choose the courses they want to take to meet the minimum requirements.

	Minimum number of credits
English	4
Social Studies	4
Distributed as follows:	
Global History and Geography (2)	
U.S. History (1)	
Participation in Government (½)	
Economics (½)	
Science	3
Distributed as follows:	
Life Science (1)	
Physical Science (1)	
Life Science or Physical Science (1)	
Mathematics	3
World Languages	1*
Visual Art, Music, Dance, and/or	1
Theater	
Physical Education	2
(participation each semester)	
Health	0.5
Electives	3.5
Total	22

<sup>\*</sup> Students with disabilities may be excused from the requirement for 1 unit of credit in World Languages if indicated on their IEP, but they must still earn 22 units of credit to graduate.



### **Exam Requirements**

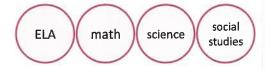
In addition to the 22 units of credit, students must also meet the NYS exam requirements to earn a diploma.

To meet the exam requirements, students must pass 4 exams + 1 pathway. All students must pass one exam (Regents exam or Department-approved alternative) in each of the four subject areas (English, mathematics, science, social studies) plus one pathway.



One Regents exam or <u>Departmentapproved alternative</u> in each of the subject areas:







Note: If students are not able to earn a passing score of 65 on Regents exams, they may be eligible for <u>Appeals</u>, <u>Safety Nets</u>, <u>and/or Superintendent Determination</u>. Additional information can be referenced in The <u>New York State Graduation Requirements: Additional Options</u> flyer.



### **Pathway Requirements**

<u>Multiple pathways</u> allow students choice in the exams they pass to earn a diploma. To complete a pathway, students must:

#### **Arts Pathway**

Earn a passing score on a Department-approved pathway exam in the Arts to earn the Arts pathway

### CDOS (Career Development and Occupation Studies) Pathway

Complete 216 hours of CTE coursework that includes a minimum of 54 hours of Work Based Learning and complete a career plan and an Employability profile, or pass a Departmentapproved CDOS pathway exam Successfully complete а Department-approved CTE program, including 3-5 CTE courses and earn a passing score on the 3-part technical exam Earn a passing score on one additional Regents exam or Department-approved

### CTE (Career and Technical Education) Pathway

Humanities Pathway

Earn a passing score on a Department-approved pathway exam in a world language

alternative in English or social

#### World Languages Pathway

STEM
(Science, Earn a passing Technology, additional Reg Engineering, Department-app alternative in Mathematics)

STEM

Earn a passing additional Reg Department app alternative in Mathematics)

studies

Earn a passing score on one additional Regents exam or Department-approved alternative in mathematics or science



### Diploma Types

There are currently three types of high school diplomas: local, Regents, and Regents with Advanced Designation.

Local

All diploma types require students to earn 22 units of credit as outlined in the credit table. Students who meet the credit requirements and use appeals, safety nets, or Superintendent Determination to meet the exam requirements typically earn a local diploma.

Regents

Students who meet the credit requirements and earn passing scores on all required exams earn a Regents diploma. Students can appeal one Regents exam no more than 5 points below passing (60-64) and still earn a Regents diploma.



Students who meet the credit requirements, earn passing scores on all required exams including 2 additional math and 1 additional science, and complete a sequence in LOTE,

the Arts, or CTE, earn a Regents diploma with Advanced Designation.

#### Resources

- General Education and Diploma Requirements
- New York State Diploma Requirements
- New York State Diploma/Credential Requirements
- Commissioner's Regulations (8 CRR-NY §100.5, Diploma Requirements)

#### Questions?

Contact the Office of Curriculum and Instruction at <a href="mailto:emscgradreq@nysed.gov">emscgradreq@nysed.gov</a> or (518)474-5922

#### **GRADUATION REQUIREMENTS**

Local Diploma Required Courses Special Education Students Only		Regents Diploma Requir	ed Courses	Regents Diploma with Advanced Designation	
English	4	English	4	English	4
Social Studies	4	Social Studies	4	Social Studies	4
Math	3	Math	3	Math	3
Science	3	Science	3	Science	3
World Language*	3	World Language*	3	World Language*	3
Art/Music	1	Art/Music	1	Art/Music	1
Health	.5	Health	.5	Health	.5
Physical Education	2	Physical Education	2	Physical Education	2
Sequence/Electives	1.5	Electives	1.5	Electives	1.5
Total	22	Total	22	Total	22

Required Regents Exams Special Education Only (Passing Score 55-64)**	Required Regents Exams (Passing Score of 65 and Above)	Required Regents Exams (Passing Score of 65 and Above)
English Language Arts Exam	English Language Arts Exam	English Language Arts Exam
Algebra or Geometry or Algebra 2	Algebra or Geometry or Algebra 2	Algebra and Geometry and Algebra 2
Global History Exam or U.S. History Exam	Global History Exam or U.S. History Exam	Global History Exam or U.S. History Exam
1 Pathway Assessment***	1 Pathway Assessment***	1 Pathway Assessment***
One Science Exam (Earth Science or Living Environment or Chemistry or Physics)	One Science Exam (Earth Science or Living Environment or Chemistry or Physics)	Two Science Exams  1. Living Environment  2. Earth Science or Chemistry or Physics
World Language Checkpoint A Exam (Passing Score of 65 or higher)	World Language Checkpoint A Exam (Passing Score of 65 or higher)	World Language Checkpoint B Exam (Passing Score of 65 or higher)

<sup>\*</sup> The completion of a three year sequence in World Language is a requirement of the Herricks Board of Education. This Requirement does not apply to students who enroll after completion of grade 9. Special Education students may be exempted through their IEP. Students may also be considered for an exemption through the high school's Pupil Personnel Team (PPT).

<sup>\*\*</sup> Special Education students have Regents score compensatory options in order to earn a Local Diploma. Please consult with your school counselor for available options.

<sup>\*\*\*</sup>Please consult your counselor for Pathway assessment options. Pathways may be one Humanities, STEM, LOTE, CTE or Arts-approved assessment.

# New York's Multiple Pathways to Graduation

#### REQUIRED FOR HIGH SCHOOL GRADUATION:

English Regents 1 Math Regents\*

1 Science Regents\* 1 Social Studies Regents\*

At least one of the following:

\* Any Regents exam in these subject areas.

## Arts Pathway

Completion of an arts sequence and state-approved arts assessment

## Bi-Literacy Pathway

Completion of a foreign language sequence and state-approved foreign language assessment

## CDOS Pathway

Complete one of two CDOS credential options (see page 2 for details)

## CTE Pathway

Completion of a state-approved Career & Technical Education program and assessment

## Humanities Pathway

A second social studies Regents or a social studies or English exam approved by the state

### STEM Pathway

A second science or math Regents or a state-approved alternative assessment

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## NCAA Potential College Bound Student Athletes

\*Denotes courses approved by the NCAA Initial-Eligibility Clearinghouse for use as core courses. All potential athletes' participation in Division I and II athletics, must complete 16 core courses.

For students who are considering playing either a Division I or II level sport in college, <u>please make</u> <u>sure to notify your school counselor to ensure that all your academic courses are approved</u>. See page XX for approved courses.

Students interested in playing at a DI or DII level, must create a Certification Account. For students interested in playing at a DIII level, should create a Profile Page.

For further information about eligibility, students must register for the clearinghouse:

http://fs.ncaa.org/Docs/eligibility\_center/Student\_Resources/CBSA.pdf

http://fs.ncaa.org/Docs/eligibility\_center/Student\_Resources/IE\_Brochure.pdf

http://fs.ncaa.org/Docs/eligibility\_center/Student\_Resources/CBSA.pdf

#### ACADEMIC REQUIREMENTS

To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an SAT or ACT score that matches your core-course GPA.

#### **CORE COURSES**

Only courses that appear on your high school's list of NCAA core courses will count toward the 16 core-course requirement; visit eligibilitycenter.org/courselist for a full list of your high school's approved core courses. Complete 16 core courses in the following areas:

#### **DIVISION I**

Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.



### NCAA Approved Course Cheat Sheet

#### **English**

- 1. English 9
- 2. English 10
- 3. English 11
- 4. English 12
- 5. AP English Lang
- 6. AP English Lit
- 7. Debate (.5)
- 8. Creative Writing (.5)
- 9. Adv Creative Writing (.5)
- 10. Basics of Journalism (.5)
- 11. Advanced Journalism (.5)
- 12. Public Speaking (.5)

#### Math

- 1. Math 9
- 2. Math 10
- 3. Math 11
- 4. Math 12
- 5. Algebra 1
- 6. Geometry
- 7. Geometry Advanced
- 8. Algebra 2
- 9. Algebra 2 Honors
- 10. Algebra 2/Precalculus Adv.
- 11. Pre-calculus
- 12. Pre-Calculus Honors
- 13. AP Calculus AB
- 14. AP Calculus BC
- 15. AP Stats
- 16. Multivariable Calculus
- 17. College Algebra
- 18. College Statistics
- 19. College Calculus

#### Science

- 1. Earth Science/Regents
- 2. Living

**Environment/Regents** 

- 3. Living Environment Honors
- 4. Conceptual Chemistry
- 5. Chemistry/Regents
- 6. Chemistry Honors
- 7. Conceptual Physics
- 8. Genetics (.5)
- 9. Neuroscience (.5)
- 10. Physics/Regents

- 11. AP Physics 1
- 12. AP Physics 2
- 13. AP Physics C
- 14. Astronomy (.5)
- 15. Human Systems (.5)
- 16. Marine Biology
- 17. AP Biology
- 18. AP Chemistry
- 19. AP Environmental Science
- 20. Environmental Science
- 21. Forensic Science (.5)

#### **Social Studies**

- Global History and Geography 9
- 2. World History 9
- 3. Global History and Geography 10
- 4. World History 10
- US History and Government
- 6. American History
- 7. Economics (.5)
- 8. AP Economics
- 9. AP Macroeconomics (.5)
- 10. Man's Inhumanity to Man
- 11. Sociology (.5)
- 12. Criminal Justice (.5)
- 13. AP US Gov and Politics
- 14. Participation in Gov and Eco
- 15. Psychology
- 16. AP Psychology
- 17. Racial Literacy in Society (.5)
- 18. AP Human Geography
- 19. Intermediate Philosophy (.5)

#### **World Languages**

- 1. Spanish 1
- 2. Spanish 2
- 3. Spanish 3
- 4. Spanish 4 (Honors)
- 5. Spanish 5
- 6. AP Spanish 5
- 7. French 1

- 8. French 2
- 9. French 3
- 10. French 4 (Honors)
- 11. French 5
- 12. AP French 5
- 13. Chinese 1
- 14. Chinese 215. Chinese 3
- 16. Chinese 4 (Honors)
- 17. Chinese 5
- 18. AP Chinese 5
- 19. Italian 1
- 20. Italian 2
- 21. Italian 3
- 22. Italian 4 (Honors)
- 23. Italian 5
- 24. AP Italian 5

#### HERRICKS HIGH SCHOOL POLICY FOR ADDING AND DROPPING CLASSES

#### **Full - Year Courses**

Students may drop a full-year course, with no record, up until the end of the second quarter, or first 20 weeks of the school year, with no record. Withdrawal from a full - year course during the third quarter will be documented on the student's transcript with a designation of WP, Withdrew Passing, or WF, Withdrew Failing. No classes may be dropped after the beginning of the fourth quarter.

Students may only add a course to replace a dropped course during the first five weeks of the first semester. Extenuating circumstances and special requests beyond this time may be discussed with the appropriate department chairperson.

#### Half - Year Courses

Students may drop half-year courses, with no record, up until the end of the first ten weeks of the first quarter of the semester in which the class meets. Withdrawal from any half-year course after the first ten weeks of the quarter will be documented on the student's transcript with a designation of WP, Withdrew Passing, or WF, Withdrew Failing. Half-year courses may not be dropped during the last five weeks of the semester in which they meet.

Students may add a course to replace a dropped course only during the first five weeks of the semester in which the class meets. Extenuating circumstances and special requests may be discussed with the appropriate department chairperson.

#### Withdrawal from Courses

	10 Weeks	20 Weeks	30 Weeks	40 Weeks
Full - Year	Yes	Yes	Yes with WP/	No Withdrawals
	No Record Kept	No Record Kept	WF Designation	

	10 Weeks	10 Weeks 15 Weeks			
Half – Year	alf – Year Yes		No Withdrawals		
	No Record Kept	With WP/WF			
		Designation			

#### **PASS-FAIL OPTION**

- A. Select courses will be offered on a pass-fail credit basis during the school year under the following conditions:
  - 1. The pass-fail option will apply only to a student's sixth subject, not including regular pass-fail courses. (Note: Physical Education is automatically taken on a pass-fail basis.)
  - 2. The pass-fail option may only be selected for one subject at a time. The Principal may grant exceptions.
  - 3. Students will have the first five weeks to determine if the pass-fail option will be chosen for half-year courses that meet every day. Students enrolled in alternate day courses and full year courses will have the first ten weeks to choose this option. At the end of that time, the choice will be binding. Teacher, counselor and administrative approval are required.
  - 4. Students who choose the pass-fail option will be required to do all the work required as normal standards of the course.
  - 5. Guidance personnel will be involved in discussing the pass-fail option with students and their parents.
  - 6. Parents must give approval for students to choose to take a course using the pass-fail option.

#### B. Procedure

- 1. Courses that may be taken as pass-fail under the rules listed above are marked in the Guide with ...
- 2. Students interested in selecting the pass-fail option must discuss their choice with their school counselor. The counselor will give a Pass-Fail Form to the student at that time and communicate with the teacher.
- 3. If a student decides to select the pass-fail option, the Pass-Fail Form must be signed by the student's parent, classroom teacher, a department chairperson and the student's counselor. The form must be returned to the counselor within the deadline.
- C. At the suggestion of a department chairperson, the principal may make specific exceptions.

#### STUDENT PROGRAM WORKSHEET

The Counseling Department recommends that the student, with his or her parents, plan a tentative program for the 2024-2025 school year based on the guidelines in this booklet. At the scheduling orientation, the student's counselor will discuss the tentative program and determine if it satisfies the requirements for a high school diploma, and if it agrees with the student's educational and career goals.

The courses listed in each grade are required for graduation. Students are required to take at least five credits in addition to Physical Education each semester. Ninth and tenth grade students will be scheduled for a study hall when they are not scheduled for class or lunch during periods one through nine. With parental permission, students who are assigned study hall during periods one and nine may be excused to leave the building.

GRADE 9	GRADE 10
Subject	<u>Subject</u>
1. English	1. English
2. Social Studies	2. Social Studies
3. Math	3. Math
4. Science	4. Science
5. Phys. Ed. /Lab	5. Phys. Ed. /Lab
6. Language	6. Language
7. Lunch	7. Lunch
8. Art/Music OR	8. Art/Music or elective if requirement is completed
9. Elective	9. Elective (one semester) and Health (one semester)
GRADE 11	GRADE 12
GRADE 11	GRADE 12
Subject	GRADE 12 Subject
<u>Subject</u>	<u>Subject</u>
Subject 1. English	<u>Subject</u> 1. English
Subject  1. English  2. Social Studies	Subject 1. English 2. Social Studies
Subject  1. English  2. Social Studies  3. Math	Subject  1. English  2. Social Studies  3. Phys. Ed.
Subject  1. English 2. Social Studies 3. Math 4. Science 5. Phys. Ed. /Lab 6. Elective or Language	Subject  1. English 2. Social Studies 3. Phys. Ed. 4. Lunch
Subject  1. English 2. Social Studies 3. Math 4. Science 5. Phys. Ed. /Lab 6. Elective or Language (If requirement is not completed)	Subject  1. English 2. Social Studies 3. Phys. Ed. 4. Lunch 5. Elective 6. Elective
Subject  1. English  2. Social Studies  3. Math  4. Science  5. Phys. Ed. /Lab  6. Elective or Language   (If requirement is not completed)  7. Elective (one semester)   Health (If not completed in Grade 10)	Subject  1. English 2. Social Studies 3. Phys. Ed. 4. Lunch 5. Elective 6. Elective 7. Elective (optional)
Subject  1. English 2. Social Studies 3. Math 4. Science 5. Phys. Ed. /Lab 6. Elective or Language (If requirement is not completed) 7. Elective (one semester)	Subject  1. English 2. Social Studies 3. Phys. Ed. 4. Lunch 5. Elective 6. Elective 7. Elective (optional)

#### ENROLLMENT IN ADVANCED PLACEMENT (AP) LEVEL CLASSES

AP level courses are rigorous college level classes that may be eligible for college credit. Students who are enrolled in an AP level class are required to complete the AP examination in May, which will provide an AP designation on their transcript, as well as an additional weighting in the course. Students who are not enrolled in an AP class that is offered through the district will not be allowed to register and test for an exam at the high school. Students may register and take an AP exam that is not offered through the district. Each individual test will require a fee which is determined by The College Board and is subject to increase. For further information on AP courses, please visit <a href="https://ap.collegeboard.org">https://ap.collegeboard.org</a>.

#### OPPORTUNITY TO EARN COLLEGE CREDITS

#### **BUSINESS**

Accounting; Business Management; Virtual Enterprise -- All approved for 3 college credits each through SUNY Farmingdale (credits transferable to other SUNY schools). **Cost:** \$150 per course

#### **ENGLISH/SOCIAL STUDIES**

News Literacy – Students may earn 3 college credits through Stony Brook University (credits transferable to other SUNY schools). **Cost:** \$300 per course

#### **MATHEMATICS**

The following Math courses may earn credits through Adelphi University as follows:

College Statistics: 3 Credits | Cost \$390 College Calculus: 4 Credits | Cost \$390

#### **PHYSICAL EDUCATION**

Physiology of Exercise – Students may earn 3 college credits through Adelphi University

Cost: \$390 per course

Sports Medicine - Students may earn 3 college credits through Adelphi University

Cost: \$390 per course

#### **TECHNOLOGY**

The following technology classes may earn credit through SUNY Farmingdale University: Principles of Engineering (2 credit mechanical engineering course) **Cost:** \$100/course World of Tech 2 (3 credit robotics course) **Cost:** \$150/course (only for 11<sup>th</sup> & 12<sup>th</sup> graders)

#### **WORLD LANGUAGES**

World Languages Levels 4/4H/4HL.I., 5/5 AP – for 11<sup>th</sup> and 12<sup>th</sup> graders – Students may earn 3 college credits through Stony Brook University. **Cost**: **\$300 per course** 

#### ART DEPARTMENT

The Art Department encompasses a wide variety of disciplines and knowledge where students can foster creativity, develop problem-solving and critical-thinking skills. Through the arts, students will be able to express their individual creativity as well as collaborating with others. The Art Department offers a wide variety of courses in every medium, and students will have the opportunity to develop artistic skills, understanding of art and design, and an appreciation for the arts.

Each of the courses within the Art Department meet the New York State Learning Standards for the

Studio in Art fulfills the graduation requirement for 1 credit in Art/Music, as does Design and Drawing for Production in the Technology Department. Studio in Art is required as the foundation course in art, and serves as a prerequisite for many of the advanced courses.

While Art electives may be combined according to individual needs, students may find the following recommendations helpful in developing a program of study in the visual arts.

#### ART FOUNDATION COURSE

635P3

625T1+

625T2+

625SB+

625AA

625TVL+

**RECOMMENDED FOR ALL STUDENTS** 

615SA+	Studio in Art	1 Credit
FINE ARTS C	<u>OURSES</u>	
625DP	Drawing and Painting 1	1 Credit
635DP	Drawing and Painting 2	1 Credit
645DP	Drawing and Painting 3	1 Credit
APPLIED ART	<u>rs courses</u>	
615C1+	Ceramics & 3D Sculptural Design	1/2 Credit
625C2	Ceramics & 3D Sculptural Design 2	1/2 Credit
625F1	Fashion Illustration 1	1/2 Credit
625F2	Fashion Illustration 2	1/2 Credit
MEDIA & GR	APHIC ARTS	
625PD	Digital Photography	1/2 Credit
635FM	Introduction to Filmmaking	1/2 Credit
625P1+	Photography 1	1/2 Credit
625P2	Photography 2	1/2 Credit

1/2 Credit

1/2 Credit

1/2 Credit

1/2 Credit

1/2 Credit

1/2 Credit

#### ADVANCED ELECTIVE COURSES

649SA	Advanced Placement Studio Art/2D Design	1 Credit
649PH	Advanced Placement Studio in Photography/2D Design	1 Credit

#### ART PORTFOLIO PREPARATION COURSES

Photography 3

TV Studio Lab

TV Studio Techniques

TV Studio Broadcasting

TV Studio Sports Broadcasting

Advertising Design and Computer Graphics

(also listed under Business courses)

645PW Portfolio Workshop (Fall Semester Only) 1/2 Credit

#### **FINE ARTS**

#### **COURSES OPEN TO NINTH GRADERS**

#### 615C1 CERAMICS & 3D SCULPTURAL DESIGN

1/2 CREDIT

Grades 9, 10, 11, 12

This is a full-year, every other day course

Ceramic forms are created by the students using the pinch, coil, slab and draped methods of hand building. Techniques, such as glazing, firing, carving and etching, are also explored through the medium of clay. Additionally, students learn to create sculptures using plaster, wire, metal and found objects. This course integrates STEAM disciplines (Science, Technology, Engineering, Art, Math) and will allow students to further enhance their visual arts portfolios as they prepare for college.

#### 615SA STUDIO IN ART

1 CREDIT

Grades 9, 10, 11, 12

This full-year course serves as an introductory art course that provides students with the fundamental understanding of fine arts. Using the elements and principles of design, students will develop observational skills and experience creative skill building methods. Students will have the opportunity to create two and three-dimensional works in a broad variety of mediums such as pencil, charcoal, acrylic and watercolor painting, sculpture and more. Exploration of creative expression, personal and collaborative work, and analysis of student artwork and art history, are all segments students will be exposed to. In addition, students will have the opportunity to visit different museum exhibitions with their class for a fulfilling learning experience. This course satisfies the one fine arts graduation credit required by New York State and is a prerequisite course list for many of our art electives.

#### 625T1 TV STUDIO TECHNIQUES

1/2 CREDIT

Grades 9, 10, 11, 12

In this introductory course, students will learn how to use video and sound equipment, such as cameras, editing decks, character generators, and lighting to create video productions that are both creative and informative. Concept development, script writing, and storyboarding techniques will help students develop advertisements, commercials, film trailers, and short news events. This course will provide exposure to the more advanced broadcasting course and will expose students to careers related to the communications field.

#### 625T2 TV STUDIO BROADCASTING

1/2 CREDIT

Grades 9, 10, 11, 12

Students in this class will act as news anchors and will broadcast from a "set" in the studio that simulates a professional news broadcasting set. They will be responsible for creating news segments and presenting the daily announcements via television monitors located in each classroom. In addition, students will develop various segments highlighting special events and prepare broadcasts to be viewed on Channel 71.

PREREQUISITE: TV Studio Techniques

#### 625SB TV STUDIO SPORTS BROADCASING

1/2 CREDIT

Grades 9, 10, 11, 12

Student athletes are encouraged to take this course as well as all students interested in the exciting field of sports broadcasting. Students will develop and create the content for all programming aired. Other productions will include student athlete highlight films for college and interviews with players. Scholar Athletes, coaches, and taping award ceremonies. Students in this class will act as sportscasters and sports production teams. They will be responsible for directing, producing and videotaping sporting events for home and away games. Students will be learning Adobe Premiere for video production and Adobe Photoshop to create in house graphics for sports and sports promos as well. All programs will air on the Herricks District TV Channel (HTN) 75, Cablevision's MSG Varsity 614, Verizon's channel 47, and FIOs channel 1.

#### **625TVL TV STUDIO LAB**

1/2 CREDIT

Grades 9, 10, 11, 12

Students in this class will work on a wide variety of shows produced in the TV Studio production area, as well as post production work from events filmed in the field. All programming developed and produced in this lab will be solely for air on Herricks Television Network in-house Channel 88, Cablevision 75, Verizon 47, PATV 20, and the new MSG Channel 614. Ninth graders taking this class must be enrolled in a current TV production class; upper classmen must have taken a production class previously.

#### 625P1 PHOTOGRAPHY 1

1/2 CREDIT

Grades 9, 10, 11, 12

This course is a basic introduction into the exciting world of black and white film photography. Students will learn how to see the world through the camera and to develop a language of photography as an image-making medium. Through photography, students will learn how to use f-stops, shutter speed and lighting to create dynamic prints. This course will focus on basic darkroom procedures for developing and printing black and white film. In particular, students will learn about light, the pin-hole camera, and SLR film 35mm cameras.

#### **COURSES OPEN TO TENTH GRADERS**

#### 625C2 CERAMICS & 3D SCULPTURAL DESIGN 2

1/2 CREDIT

Grades 10, 11, 12

This is a full-year, every other day course

Students will be able to further their experience and knowledge with sculpture through materials such as plaster, paper, papier mâché, wire, clay and other assorted mediums. This course will give those students who already have the foundations down to grow and truly master their skills. It will also allow them to work with materials they have grown to love as well as experiment with new materials. This course integrates STEAM disciplines (Science, Technology, Engineering, Art, Math) and will allow students to further enhance their visual arts portfolios as they prepare for college.

## 625AA ADVERTISING DESIGN AND COMPUTER GRAPHICS AA Grades 10, 11, 12

1/2 CREDIT

The classroom comes alive as students work both individually and in teams, much like a real-life advertising agency. Using Adobe Photoshop, Adobe Illustrator, Adobe InDesign, digital photography and computer-generated art, students will create advertising campaigns, movie/art posters, magazine covers, clothing labels, album covers and package design. Students will learn how advertising plays a crucial role in the success of a business and in everyday lives.

#### **625PD DIGITAL PHOTOGRAPHY**

1/2 CREDIT

Grades 10, 11, 12

Digital Photography is all around us and this course will teach you how to capture and print professional quality images using a DSLR camera. Students will learn how to use and manipulate their images in the "digital darkroom." Students will learn how to set up the perfect shot. Project may include: color retouching, cloning, double images, surrealism, macro/shapes, ghost and night photography. Computer software leases Adobe Photoshop, Adobe Lightroom and Adobe Illustrator. Digital cameras will be provided (DSLR's). Students will go on at least one field trip to learn how to shoot on location.

PREREQUISITE: Photography 1

#### **635FM INTRODUCTION TO FILMMAKING**

1/2 CREDIT

Grades 10, 11, 12

Students will focus on skill development in learning the layout and structures of filmmaking. Students work on the creation of independent films, public awareness shorts, conceptual films, and stylistic films. Students will also learn how to create different types of animation films, through claymation and computer-generated artwork using Adobe Photoshop and Adobe Premiere. Topics will include film genres, production techniques, content development and advanced editing techniques.

PREREQUISITE: Successful completion of TV Studio Techniques and TV Studio Broadcasting

#### **625DP DRAWING AND PAINTING 1**

1 CREDIT

Grades 10, 11, 12

This full-year course blends the imaginative and technical aspects of art. Drawing and painting are the fundamentals used to enhance observation skills and understanding of perspective. This course provides students with the skills necessary to begin developing a fine art portfolio that will be reviewed at the end of the year. Students enhance their technical ability through the use of charcoal, pencil, pastel, watercolor and acrylics. This in-depth study will provide the student with a variety of visual experiences that challenge the student's ability and creative potential. This is an essential course in the art sequence which culminates in AP Studio Art and Portfolio Workshop.

PREREQUISITE: Studio In Art

#### 625F1 FASHION ILLUSTRATION 1

1/2 CREDIT

Grades 10, 11, 12

This half-year course will enable students to learn about the foundations of Fashion Design. Students will learn about the history of Fashion, cultural artifacts and how fashion is forever changing and evolving. Students will be designing and illustrating original garments and accessories based on inspirations from the world around them. Students will learn how to present their work to meet Fashion industry standards. Various art mediums will be explored, such as watercolor, colored pencils, micro pens and markers. Students will be creating their final designs on a mannequin using cloth and other found materials. A field trip to New York City, Fashion Institute of Technology and Mood Fabrics will be planned.

PREREQUISITE: Studio In Art

#### 625F2 FASHION ILLUSTRATION 2

1/2 CREDIT

Grades 10, 11, 12

Students will build upon skills learned in Fashion Illustration 1. Students will focus on developing their own personal style using advanced fashion techniques. Technical aspects of layouts and flats will be introduced as well as advanced fashion figure views. Students will construct their own designs and garments. Textile design and coordinated accessories will be incorporated into project assignments. Students will be assisted in portfolio preparation for an Art college.

PREREQUISITE: Studio Art and Fashion Illustration 1

#### 625P2 PHOTOGRAPHY 2

1/2 CREDIT

Grades 10, 11, 12

This class is for students who want to continue their study in photography and continue to learn about photographic theories and techniques on a more advanced level. Projects may include motion solarization, hand tinting, superimposition, lighting, portraits, outdoor photography, photography with artificial illumination, filters and advanced darkroom techniques. Students will go on at least one field trip to explore the masters in photography as well as learn how to shoot on location.

PREREQUISITE: Photography 1

#### **COURSES OPEN TO ELEVENTH GRADERS**

#### **635DP DRAWING AND PAINTING 2**

**Grades 11, 12** 

1 CREDIT

This full-year course is designed as an advanced study in drawing and painting with indepth exploration of media, techniques and concepts. The objective is for students to develop a mixed media portfolio that demonstrates process-oriented work, strong development of technical ability, and mastery in original concepts. Students work on both assigned and self-designed projects with specialization in specific content areas. Students interested in taking Advanced Placement Studio Art in their senior year will begin working on their College Board portfolios in this class.

PREREQUISITE: Drawing and Painting 1

#### 635P3 PHOTOGRAPHY 3

1/2 CREDIT

**Grades 11, 12** 

By the end of Photography 2, technical mastery of both the SLR film camera and the developing processes is expected. The focus of Photography 3 will be on aesthetics and concept development. Students will be expected to work more independently and experimentally. They will be encouraged to develop their own ideas and individual style as they work to express themselves through the photographic medium. Projects may include: Architecture, Nature, Still-life, Emotions and Montage. Students will be required to create a digital portfolio as well as a traditional physical portfolio. Students will go on at least one field trip to learn how to shoot on location.

PREREQUISITE: Photography 2

#### **COURSES OPEN TO TWELFTH GRADERS**

#### 645DP DRAWING AND PAINTING 3

1 CREDIT

#### Grade 12

This is a full-year course offering advanced painting and drawing with a variety of twodimensional media. Control of media and scope of expression are emphasized with students pursuing their creative goals more independently.

PREREQUISITE: Drawing and Painting 2

#### 645PW PORTFOLIO WORKSHOP

1/2 CREDIT (Fall Semester Only)

Grade 12

This is a half-year fall semester course designed to assist the serious art student in developing and assembling a portfolio suitable for college or art school application. Students will be assisted in photographing and matting their work, and speakers from various art schools will make presentations to the class.

PREREQUISITE: Drawing and Painting 2 or permission of instructor

#### 649SA ADVANCED PLACEMENT STUDIO ART

1 CREDIT

#### Grade 12

This is an advanced studio course for college-bound and career-oriented art students. It is designed for talented art students who wish to pursue a college-level art class while still in high school. The AP Studio Art portfolio is a performance-based exam rather than a written exam, and students compile extensive portfolios of approximately 24 pieces that will fulfill College Board requirements. Students must commit to working on projects both in and out of class. Interested students should begin working on their portfolios in their junior year Drawing and Painting art class.

PREREQUISITE: Drawing and Painting 1, 2; portfolio review and/or teacher recommendation

## 649PH ADVANCED PLACEMENT STUDIO IN PHOTOGRAPHY/2D DESIGN 1 CREDIT Grade 12

This course is designed to promote the ability to create high quality photographic and digital imagery. It is intended for students who wish to pursue a college level Photography/2D Design class while still in high school. Students will compile a body of work that must fulfill College Board requirements. Students will work to determine a "theme" (Sustained Investigation) based on an extended exploration of a particular area of interest. Students will submit digital portfolios of approximately 30 works, and will be required to submit a portfolio for the AP exam. Students will be responsible for some materials needed for this course. Students will go on at least one field trip to learn how to shoot on location.

PREREQUISITE: Photography 1, 2, and either 3 OR Digital Photography; portfolio review and/or teacher recommendation

### **BUSINESS EDUCATION DEPARTMENT**

<u>Career and Financial Management</u> and <u>Business Management</u> are required as the foundation courses in Business. Business Education courses are designed to serve the needs of all Herricks students, and in

clude an array of courses that will help students prepare for college and the business world. Students who enroll in a Business Education course have the opportunity to join the Herricks Chapter of DECA, a career-oriented business and marketing organization. The following C.T.E. (Career Tech Ed) courses listed in this department can be taken to fulfill the Career Development and Occupational Studies Commencement Credential (CDOS).

COURSI	<u>E TITLE</u>	_	10		12	CREDIT
515CM	Career & Financial Management	X	X			1
515KE	Keyboarding for College and Careers	X	X	X	X	1/2
525A1	Accounting 1		X	X	X	1
525BM	Business Management		X	X	X	1
525IB	International Business		X	X	X	1/2
525PM	Principles of Marketing		X	X	X	1
535BL	Business and Personal Law		X	X	X	1
535CI	Career Internship			X	X	1/2
625AA	Advertising Design and Computer Graphics (Also listed under the Art Department)		X	X	X	1/2
G545VE	Virtual Enterprise			X	Χ	1

## 515CM CAREER AND FINANCIAL MANAGEMENT AA Grades 9, 10

1 CREDIT

This is a full-year general business course designed to give students a broad understanding of our monetary system, credit, investments, types of business organizations, consumerism, insurance, advertising, economics and communication. In addition, students will explore a chosen career and evaluate their suitability for that career based upon an investigation of their own goals, interests and abilities. Some other activities include resume writing, budgeting, the stock market game and activities involving current business events. The course emphasizes the skills needed to succeed in business, as well as in everyday life as a citizen and consumer.

## 515KE KEYBOARDING FOR COLLEGE AND CAREERS AA Grades 9, 10, 11, 12

1/2 CREDIT

This is an alternate day, full-year college and career readiness course. It is designed primarily for those students who have had some keyboarding experience at the Middle School. Given the usage of computers in school, college and beyond, keyboarding is an essential part of a student's academic life. Students will learn various types of formatting and preparing business as well as personal documents using Microsoft software. Students will focus on both increased speed and accuracy using the computer.

#### 525A1 ACCOUNTING I AA

1 CREDIT

Grades 10, 11, 12

Often referred to as "the language of business," accounting allows various departments within an organization to effectively communicate with one another, as well as with external parties. Accounting I focuses on financial statements, the accounting information system, accruals/deferrals, merchandising operations, reporting and analyzing inventory, receivables, long-lived/fixed assets, liabilities, and stockholders' equity. Accounting I enables qualified sophomores, juniors and seniors to earn three (3) college credits through Farmingdale State College's University in the High School Program. Credits will be recorded on an official Farmingdale transcript and can be used to pursue a degree at Farmingdale or a transcript can be sent to any other college the student wishes to attend.

## 525BM BUSINESS MANAGEMENT AA Grades 10, 11, 12

1 CREDIT

Business Management offers students a broad overview of modern business organizations and operation. Students will examine various business strategies and methods that are used to successfully conduct business. This course integrates the use of computers throughout, and students will explore and utilize some of the modern computer software used by businesses today. Students will use their creativity and what they have learned to create a business plan based on their original ideas. Students have an opportunity to earn three college credits through SUNY Farmingdale in addition to high school credit.

### 525IB INTERNATIONAL BUSINESS

1/2 CREDIT

Grades 10, 11, 12

This is a half-year course that will enable students to explore the opportunities available to them in the field of International Business. From a business perspective students will investigate the ways culture and negotiating techniques vary throughout the world and the impact they have on companies both domestic and foreign. Students will gain a better understanding of how we live in a global economy and how what we do is dependent on the actions of the rest of the world.

## 525PM PRINCIPLES OF MARKETING AA Grades 10, 11, 12

1 CREDIT

This is a one credit course designed to introduce students to the concepts of marketing by relating them specifically to the exciting and fast-paced worlds of business, sports, entertainment, hospitality, fashion and the food industry. Topics will include a study of domestic markets, research and product development, pricing, promotion and sales. This course highlights current happenings in the various industries listed above and also allows students to see how social media has changed the way goods and services are marketed.

## 535BL BUSINESS AND PERSONAL LAW AA Grades 10, 11, 12

1 CREDIT

Do you want to know how the law affects you as a young adult and consumer? This course provides an orientation to law in our society with an emphasis on business, consumer applications and a citizen's role in the legal system. Some of the topics covered are the history of today's legal system, sources of today's laws, definitions of particular crimes, the study of contracts, personal property laws, and a variety of other legal topics having to do with our judicial system. Students apply what they learn through studying case laws including: contracts, trial procedures, personal property and consumer protection and rights. Business and Personal Law provides students with facts and information that will be of value to them in the management of their personal business affairs, as well as in preparing for their life's work.

### 535CI CAREER INTERNSHIP AA

1/2 CREDIT

Grades 11, 12

The Career Internship class is a work-based learning experiences that allows students to explore their career goals, abilities, and interests while applying their academic, technical knowledge and skills in a real-world context. Individual career goals are analyzed, then students are placed as interns in jobs so that the student is provided with a realistic, hands-on learning experience. Job placements may include: local area banks; museums, medical, law, financial and governmental offices, just to name a few. Units of study will include exploration of careers, resumes and cover letters, interview skills, social media and more. This class meets on alternate days during the first semester. Students will continue their internship hours and will have five additional meetings with the teacher during the second semester. Internships are expected to begin during the second quarter and can continue into the third and fourth quarters. Students must complete at least 54 internship hours. This is overseen by the teacher of the course. Students that do not meet the requirements of the class will not receive credit. Transportation is not provided by the District.

#### 625AA ADVERTISING DESIGN AND COMPUTER GRAPHICS AA

1/2 CREDIT

Grades 10, 11, 12

This may be taken as a full-year, every other day course OR a regular semester course

The classroom comes alive as students work both individually and in teams, much like a real-life advertising agency. Using Adobe Photoshop, Adobe Illustrator, Adobe InDesign, digital photography and computer-generated art, students will create advertising campaigns, movie/art posters, magazine covers, clothing labels, and package design. Students will learn how advertising plays a crucial role in the success of a business.

#### G545VE VIRTUAL ENTERPRISE

**Grades 11, 12** 

1 CREDIT

Virtual Enterprise transforms students into business professionals and entrepreneurs by bringing the workplace into the classroom. Virtual Enterprise replicates all the functions of real businesses in both structure and practice. As "employees" of the virtual business, students are accountable for its performance. Students conduct market research, work cooperatively to develop and write a business plan, design and implement a website, pay wages and taxes, maintain 401(k) plans, and develop an annual report at the end of the year. The class selects

develop and write a business plan, design and implement a website, pay wages and taxes, maintain 401(k) plans, and develop an annual report at the end of the year. The class selects a CEO and managers who oversee each department (Accounting/Finance, Sales, Marketing, Human Resources, IT, etc.). Students will also participate in multiple trade shows throughout the year to present and market their virtual business in a competitive marketplace with both

local and global schools/firms. This class can be taken for two years.

This class enables qualified juniors and seniors to earn 3 college credits per year through Farmingdale State College's University in the High School program.

PREREQUISITES: Junior or senior class standing. It is recommended that students take a prior Business class.

## HERRICKS SECONDARY ENGLISH 2024-2025

Requirements: Four (4) credits.

At least one credit on each grade level.

**GRADE 9** 

(1 Credit)

English 9

**GRADE 10** 

(1 Credit)

English 10

**GRADE 11** 

(1 Credit)

AP English Lang. and Comp.

English 11

(All students will take the English Regents.) **GRADE 12** 

(1 Credit)

AP English Lit. and Comp.

or English 12

**ADDITIONAL SUPPORT** 

English Lab 9\*

ADDITIONAL SUPPORT

English Lab 10\*

ADDITIONAL SUPPORT

English Lab 11\*

ADDITIONAL SUPPORT

English Lab 12\*

English Research/Independent Study: Honors Designation on Transcript (1/2 Credit)

**English Scholars Program 9** 

**English Scholars Program 10** 

**English Scholars Program 11** 

**English Scholars Program 12** 

Enrichment Electives for Grades 9, 10, 11, and 12: Elective Credit Only (1/2 Credit)

Creative Writing
Cinema Studies One
Public Speaking
Verbal Reasoning

Advanced Creative Writing Cinema Studies Two Debate News Literacy

<sup>\*</sup>Admission by Invitation Only

#### **ENGLISH DEPARTMENT**

#### **Department Philosophy**

The Herricks High School English Program seeks to foster a learning community dedicated to the social and academic development of each student and to the professional development of each educator. We honor and respect each student as an individual with regard to learning process, ethnicity, and cultural experiences. Since language governs our lives, our program seeks to cultivate sensitivity to the art of written expression, to promote a life-long exploration of reading and writing, and to nurture active, independent, responsible learners through varied experiences in and out of the English classroom.

#### **NINTH GRADE**

015 ENGLISH 9 1 CREDIT

Ninth grade English is a literature based course connecting reading, writing, speaking and listening skills. The goal of the course is to help students achieve higher level thinking through their responses to and analysis of literature. In addition, the ninth grade program sets standards commensurate with both the Next Generation Standards and the standards set by the department to prepare students for college level work. Students are taught to write in a variety of genres and to address such issues in their writing as meaning, development, voice, audience, and mechanics. There is an emphasis on higher level thinking skills such as analysis and synthesis. *English 9 is also offered to qualifying students in an integrated co-teaching model or a self-contained Individual Growth model. Students may qualify for these services through a decision by the Committee on Special Education (CSE).* 

### S010 ENGLISH 9 INDIVIDUAL GROWTH (IG) 1 CREDIT

(By Committee Recommendation Only)

#### 017ES ENGLISH SCHOLARS PROGRAM 9 1/2 CREDIT

This half credit enrichment elective allows students to self design an English Language Arts program in collaboration with a teacher of English. Students will meet with a mentor from the English Department on a regular basis to help design and implement an individual program. Students may choose from a menu of options or develop their own plan. The options might include, but are not limited to, writing for publication, creative writing projects, or research projects. Projects might be interdisciplinary and could extend from one year to another. Students who satisfactorily complete the course and projects receive Honors credit on their transcript.

#### **TENTH GRADE**

025 ENGLISH 10 1 CREDIT

English 10, like English 9 is a literature based course. The tenth grade program sets standards commensurate with both the Next Generation Standards and the standards set by the department to prepare students for college level work. Students will read more difficult literature and will have more complex writing assignments. The course will improve students' writing, vocabulary, speech, listening habits, study habits, critical ability to evaluate and appreciate literature read in and out of class, as well as informational texts of various forms. English 10 is also offered to qualifying students in an integrated co-teaching model or a self-contained Individual Growth model. Students may qualify for these services through a decision by the Committee on Special Education (CSE).

S020 ENGLISH 10 INDIVIDUAL GROWTH (IG)

1 CREDIT

(By Committee Recommendation Only)

#### 027ES ENGLISH SCHOLARS PROGRAM 10

1/2 CREDIT

This half credit enrichment elective allows students to self design an English Language Arts program in collaboration with a teacher of English. Students will meet with a mentor from the English Department on a regular basis to help design and implement an individual program. Students may choose from a menu of options or develop their own plan. The options might include, but are not limited to, writing for publication, creative writing projects or research projects. Projects might be interdisciplinary and could extend from one year to another. **Students who satisfactorily complete course and projects receive Honors credit on their transcript**.

#### **ELEVENTH GRADE**

#### 038 AP ENGLISH LANGUAGE AND COMPOSITION

1 CREDIT

This course is designed for motivated English students and is primarily a course in both effective writing and critical reading. Students will study a variety of texts and perform a variety of writing tasks. They will acquire knowledge of the evolution of English prose style and an understanding of the expressive potential of language. Students in this class will take both the Advanced Placement examination and the New York State English Regents.

035 ENGLISH 11 1 CREDIT

In this full-year course, students will study a variety of texts from different genres and time periods. The eleventh grade program sets standards commensurate with both the Next Generation Standards and the standards set by the department to prepare students for college level work. The course will prepare students with the reading, writing, listening, speaking and research skills necessary for college and beyond. The course will culminate in the English Regents Examination. English 11 is also offered to qualifying students in an integrated co-teaching model or a self-contained Individual Growth model. Students may qualify for these services through a decision by the Committee on Special Education (CSE).

#### S030 ENGLISH 11 INDIVIDUAL GROWTH (IG)

1 CREDIT (By Committee Recommendation Only)

\*

#### 037ES ENGLISH SCHOLARS PROGRAM 11

1/2 CREDIT

This half credit enrichment elective allows students to self design an English Language Arts program in collaboration with a teacher of English. Students will meet with a mentor from the English Department on a regular basis to help design and implement an individual program. Students may choose from a menu of options or develop their own plan. The options might include, but are not limited to, writing for publication, creative writing projects or research projects. Projects might be interdisciplinary and could extend from one year to another. **Students who satisfactorily complete course and projects receive Honors credit on their transcript**.

#### **TWELFTH GRADE**

#### 048 AP ENGLISH LITERATURE AND COMPOSITION

1 CREDIT

This is a highly demanding course for students with demonstrated ability and interest in all aspects of English. It will focus intensively on literary backgrounds and on sophisticated analysis and interpretation of literary classics. Writing is frequent, extensive and intensive, and it is primarily devoted to literary subjects. Students who take the course will take the Advanced Placement exam.

#### 045 ENGLISH 12 1 CREDIT

In this full-year course, students will study a variety of texts from different genres and time periods. The twelfth-grade program sets standards commensurate with both the Next Generation Standards and the standards set by the department to prepare students for college level work. The course will prepare students with the reading, writing, listening, speaking and research skills necessary for college and beyond. The course will culminate in a student-designed exit portfolio that allows students to demonstrate their growth as readers and writers while reflecting on their reading and writing lives. English 12 is also offered to qualifying students in an integrated coteaching model or a self-contained Individual Growth model. Students may qualify for these services through a decision by the Committee on Special Education (CSE).

#### S040 ENGLISH 12 INDIVIDUAL GROWTH (IG)

1 CREDIT

#### 047ES ENGLISH SCHOLARS PROGRAM 12

1/2 CREDIT

This half credit enrichment elective allows students to self design an English Language Arts program in collaboration with a teacher of English. Students will meet with a mentor from the English Department on a regular basis to help design and implement an individual program. Students may choose from a menu of options or develop their own plan. The options might include, but are not limited to, writing for publication, creative writing projects or research projects. Projects might be interdisciplinary and could extend from one year to another. **Students who satisfactorily complete course and projects receive Honors credit on their transcript**.

#### **ENRICHMENT ELECTIVES**

These electives may be taken only in addition to previously listed courses. The student receives graduation credit for these courses, but they may not be taken to fulfill the requirement in English because of their highly specialized content.

### 015CW CREATIVE WRITING AA

1/2 CREDIT

Grades 9, 10, 11, 12

The purpose of this course is to give the student some basic understanding of how imaginative writing differs from other kinds of writing, what problems are involved in creative writing tasks, and the skills and techniques needed in developing a writing talent. In learning how to think originally in terms of language, the student also gains some insight into the creative thinking of the artist and some appreciation of literature and other arts.

#### 025AC ADVANCED CREATIVE WRITING AA

1/2 CREDIT

Grades 10, 11, 12

Advanced Creative Writing is a half-year elective in imaginative writing. This course will be the advanced session of Creative Writing. Those who elect this course should have exceptional interest in writing.

PREREQUISITE: Creative Writing

## 025CS1 CINEMA STUDIES: INTRODUCTION TO FILM ANALYSIS AA 1/2 CREDIT Grades 9, 10, 11, 12

Watch films in a way you never have before by learning all the tricks that filmmakers use to create their masterpieces. Students will study some of the great directors and their techniques to better understand how to watch and even create their own films. Students will also get a chance to create their own stop-motion films using some of these techniques.

## 025CS2 CINEMA STUDIES: SCREENWRITING AA Grades 9, 10, 11, 12

1/2 CREDIT

Grades 9, 10, 11, 12

This course is designed for the student hoping to one day write a hit screenplay! Students will learn the form that successful screenwriters have used for decades. By both watching films and analyzing their written screenplays, students will pay special attention to the ways in which a writer's work comes alive on the screen. By the end of the course, students will begin to develop and write their own original screenplays.

#### 015PS PUBLIC SPEAKING AA

1/2 CREDIT

Grades 9, 10, 11, 12

This course, designed for those who would like more experience speaking in front of others, is for the beginner as well as the more advanced student. Students will have the opportunity for different kinds of experiences, from speaking in groups to delivering speeches on their own. As well as having the experience of speaking in front of others, students will also become more effective listeners. Some of the activities that might take place in class are storytelling, panel discussions, debating, and delivering speeches.

## 025VR VERBAL REASONING & TIMED WRITING: PREPARATION FOR THE SAT AA

Grades 10, 11, 12 1/2 CREDIT

This course will incorporate test-taking skills, verbal reasoning skills, and vocabulary skills. Areas of study will include sentence analysis; vocabulary building; identifying errors in grammar, word choice, usage, and idiom; improving paragraphs; and skills associated with timed writing. In addition, students will have the opportunity to build their critical thinking and reading comprehension skills through a variety of activities including analysis of specific test questions.

A018DB DEBATE 1/2 CREDIT

Grades 9, 10, 11, 12

Formal debate has existed for hundreds of years, and in this course, students will study the strategies and techniques needed for success. Students will have the opportunity to learn various types of formal debate, including Lincoln-Douglas and Public Forum formats. By the end of the semester, students will have honed their overall debate skills while learning how to be prepared for a formal debate competition.

A028NL NEWS LITERACY 1/2 CREDIT

Grades 9, 10, 11, 12

In a time when we are constantly being bombarded with information, many find it difficult to judge the reliability and credibility of news sources. This course is designed to give students the skills to think critically about the news presented to them through print, television, and online sources. This course is offered with the support of the News Literacy Program at Stony Brook University. Students who wish to receive 3 college credits through SUNY Stony Brook can enroll with the University for a cost of \$300. The credits are transferable to any SUNY school.

### **ENGLISH AS A NEW LANGUAGE (ENL)**

The ENL curriculum at Herricks is aligned with the Learning Standards for English Language Arts (ELA), which "articulate rigorous grade-level expectations in the areas of speaking, listening, reading and writing to be college and career-ready." This includes students who are English language learners (ELLs). However, these students may require additional time, appropriate instructional support, and aligned assessments as they acquire both English language proficiency and content area knowledge. Second-language learners benefit from instruction about how to negotiate situations outside of school so they are able to participate on equal footing with native speakers in all aspects of social, economic, and civic endeavors. We at Herricks recognize it is possible for all students to achieve the standards for reading and literature, writing and research, language development and speaking and listening.

#### 415 \* INTEGRATED ENL/ENGLISH LANGUAGE ARTS 1 ENGLISH CREDIT

- 425 \* Grades 9, 10, 11, 12
- **435** \* English Language Learners (ELLs) who continue in the ENL program as well as those who
- have exited from the program within the past two years will be scheduled into an English class that will be co-taught by an English teacher and an ENL teacher. The integrated ENL/ELA students will follow the regular English curriculum, supported by both the English and ENL teachers. Please see the course descriptions for English 9, English 10, English 11, and English 12 in the English Department section of this document for the specifics of each course.

#### 49-10 ENL CONTENT SUPPORT Grades 9 & 10 411-12 ENL CONTENT SUPPORT Grades 11 & 12

1 ELECTIVE CREDIT 1 ELECTIVE CREDIT

Through All four language areas – listening, speaking, reading, and writing – students develop both academic and communicative English language proficiency. Writing skills focus on sentence structure, paragraph formation, and essay development. The systematic study of vocabulary focuses on understanding the meanings of words in context. Respect for students' cultures is fostered within a comfortable, nurturing environment. ELLs also receive support with the concepts and expectations in their content area courses. Students are also introduced to the custom and culture of the school setting and of the United States.

#### **ADDITIONAL CO-TAUGHT COURSES**

Please note that ENL teachers will co-teach in other content areas as needed. Language exists in all subject areas, and it is the role of the ENL and content area teacher to provide supports to ELL's in order to balance language and content goals.

#### **FAMILY AND CONSUMER SCIENCES**

Courses in the Family and Consumer Sciences prepare Herricks students via two course clusters consistent with New York State standards in Family and Consumer Sciences commencement level education:

Family and Consumer Sciences, with its focus on Foods and Child Study, aims to empower students with essential life skills that extend beyond the classroom. By combining theoretical knowledge with hands-on experiences, students in Family and Consumer Sciences courses develop practical competencies that are crucial for personal and professional success. Whether pursuing careers in culinary arts, nutrition, early childhood education, or simply navigating family life, students gain a foundation that serves them well in various aspects of their future endeavors.

Human Service & Family Studies

Child Development:

Early Childhood Development

Principles of Education: Teaching & Learning Independent Living & Foods

Foods and Culinary Arts

International Foods

#### **HUMAN SERVICES & FAMILY STUDIES**

## 725C1 CHILD DEVELOPMENT: EARLY CHILDHOOD DEVELOPMENT AA Grades 9, 10, 11, 12

1/2 CREDIT

1/2 CREDIT

This course focuses on the social, intellectual, moral, physical, and emotional development of children from birth to age six. Learning will be focused on student-centered activities including projects, infant simulation, film study, and group discussion. Current issues in pregnancy, childcare, and parenting will be included through class activities and guest speakers. This course provides a foundation to explore careers in Human Services, Education, Pediatrics, Counseling, and more.

## 725C2 PRINCIPLES OF EDUCATION: TEACHING & LEARNING AA (Previously titled Child Development II)

Grades 9, 10, 11, 12

This course will build on the concepts from Child Development and focus on principles of teaching and learning. Students in this course will learn teaching strategies and have the opportunity to work with children in Elementary, Middle and High School to explore best practices. Current issues in Education and Families will be explored including Social Emotional Learning, culturally responsive classrooms, and diverse student populations. This course enhances the foundation to pursue careers in Human Services, Education, Pediatrics, School Counseling, Mental Health professions, and more.

PREREQUISITE: Child Development

#### **INDEPENDENT LIVING & FOODS**

## 735FF FOODS AND CULINARY ARTS AA Grades 9, 10, 11, 12

1/2 CREDIT

This is an introductory culinary course that includes safety and sanitation, measuring techniques, proper knife handling and use, and other skills necessary for safe cooking. Students will participate in various judged challenges such as *Food Truck Challenge*, *Restaurant Challenge*, *Wafflemania*, and more! Students will enjoy guest speakers and an exciting field trip related to foods and culinary careers. Past trips include colonial farm cooking, apple picking, and sushi making. This course will provide the basic skills and knowledge useful for pursuing careers in Culinary Arts, Hospitality Management, Nutritional Consulting, Catering, and more.

#### 745IF INTERNATIONAL FOODS AA Grades 10, 11, 12

1/2 CREDIT

This course is intended for students who have taken Foods & Culinary Arts or who have previous cooking experience. Students will learn about food and culture from around the world. Food, nutrition, culture and meal-taking customs will be discussed. Students will work in the kitchen labs on a regular basis, preparing dishes and evaluating the outcome...by testing the dishes! Students will research and present information about healthy eating and nutrition around the world.

#### **HEALTH EDUCATION**

#### 934 HEALTH EDUCATION RA

1/2 CREDIT

#### By Recommendation Only

This course meets the requirements of the NYS mandated health program. It is designed for students who find the pace of Health Education too challenging. Topics covered are the same as those in the regular health course. They include: physical health, sociological health problems, mental health, family health issues, human sexuality and HIV/AIDS prevention. Classes are limited in size and the teacher works closely with individual students to provide the best learning style for each student.

#### 935 HEALTH EDUCATION - GRADE 10/GRADE 11

1/2 CREDIT

This survey health course meets the requirements of the NYS mandated health program. Topics covered include: physical health, sociological health problems, mental health, family health issues, human sexuality and HIV/AIDS prevention. Class discussions, films, and guest lectures comprise the class.

#### 925PC PEER COMMUNICATION AA

1/2 CREDIT

Open to students in grades 10 and 11, this course provides students with the unique opportunity to develop listening skills, communication skills, decision make and goal setting strategies. This is a prerequisite for entry into the peer program.

#### 935P1 PEER LEADERSHIP 1 AA

1 CREDIT

#### Grades 11, 12 - By Recommendation Only

Upon successful completion of the Peer Communication course, students may enroll in Peer Leadership 1. During this course students will have a unique opportunity to work as student leaders. Classroom work, including role-playing strategies, will prepare them to address a group of peers outside the classroom setting. A large portion of this course will be dedicated to practicing skills and strategies learned in Peer Communication to reduce high-risk behaviors among their peers.

PREREQUISITE: Peer Communication

#### 945P2 PEER LEADERSHIP 2 AA

1 CREDIT

#### **Grade 12 - By Interview Only With Completion of Prerequisites**

Students may enroll in this course upon completion of the two prerequisite courses. Students must interview for acceptance into this program. The focus of the Peer II program is community service in the following areas: school projects, S.W.A.P. (Share with a Peer), job coaching for special education students, charity fundraisers, volunteering in the community, and programs for elementary and middle schools.

PREREQUISITE: Peer Leadership 1

### **ACADEMIC INTERVENTION SUPPORT (A.I.S.) PROGRAMS**

#### XL PROGRAM EXCEL AA Grades 9, 10, 11

1 CREDIT

Excel is an intensive tutorial assistance program for students experiencing academic difficulties. Students receive supplementary individualized instruction from a team of teachers in the content of their regularly scheduled courses and in study skills related to those content areas. Bi-monthly group counseling sessions with the guidance counselor and social worker provide an opportunity for students to discuss academic and personal issues.

PREREQUISITE: Faculty Nomination

## AS09B WORLD HISTORY WORKSHOP 9 AA Grade 9 T

1/2 CREDIT

This class is designed for ninth grade students who are in need of help with the skills needed to excel in World History. The focus of this scheduled class is: to improve students' reading and writing skills, to help students write and understand thesis statements, to teach students how to formulate opinions based on evidence, to help students think critically, to teach students how to compare and contrast people, places and events that have shaped world history, etc. This class is highly recommended for students who have not had previous success in social studies.

#### ASALG ALGEBRA 1 WORKSHOP AA

1/2 CREDIT

#### This class meets on alternate days for one full year

This class meets on alternate days for 1 full year

This class is designed for ninth grade students who are in the need of help with skills to excel in Algebra 1. The focus of this scheduled class is: to improve skills with solving and graphing algebraic equations, to develop computational fluency, to develop deep understanding of mathematical concepts, and to practice problem solving and critical thinking with applications of algebra. This class is highly recommended for students who have not had previous success with mathematics. This course is taken in conjunction with Algebra 1.

#### ASALG2 ALGEBRA 2 WORKSHOP AA

1/2 CREDIT

#### This class meets on alternate days for 1 full year

This class is designed for students who are in need of help with skills necessary to excel in Algebra 2. The focus of this scheduled class is to improve skills with operations and transformations of polynomial, quadratic, exponential, logarithmic, and linear functions. Students will be provided with tools such as graphic organizers, foldable and scaffolding to build their skills and understanding of Algebra 2 topics. The class will provide additional time for students to practice modeling and problem solving. This class is highly recommended for students who struggle with mathematics. This course is taken in conjunction with Algebra 2.

### ASGEO GEOMETRY WORKSHOP AA

1/2 CREDIT

### This class meets on alternate days for 1 full year

This class is designed for students who are in need of help with skills necessary to excel in Geometry. The focus of this scheduled class is: to improve skills with writing Geometry proofs, Geometric constructions, to develop computational fluency, and deep understanding of the logical and deductive reasoning skills that are necessary to be successful in the Geometry Regents course. The class will provide additional time for students to practice modeling and problem solving with Geometric representations. This class is highly recommended for students who have not had previous success with mathematics. This course is taken in conjunction with Geometry.

### 9LAB ENGLISH 9 LAB 🗚

1/2 CREDIT

## This course meets on alternating days for 1 full year

### By Recommendation Only

This class is designed as an extension from English class to support students who have struggled with reading and writing skills. Students will engage in activities that will enhance their understanding of course material. An emphasis will be placed on improving the quality of student work and building literacy skills.

### 10LAB ENGLISH 10 LAB 🗚

1/2 CREDIT

### This course meets on alternating days for 1 full year

### By Recommendation Only

This class is designed as an extension from English class to support students who have struggled with reading and writing skills. Students will engage in activities that will enhance their understanding of course material. An emphasis will be placed on improving the quality of student work and building literacy skills.

### 11LAB ENGLISH 11 LAB 🗚

1/2 CREDIT

### This course meets on alternating days for 1 full year

### By Recommendation Only

This class is designed as an extension from English class to support students who have struggled with reading and writing skills. Students will engage in activities that will enhance their understanding of course material. An emphasis will be placed on improving the quality of student work and building literacy skills.

### 12LAB ENGLISH 12 LAB 🗚

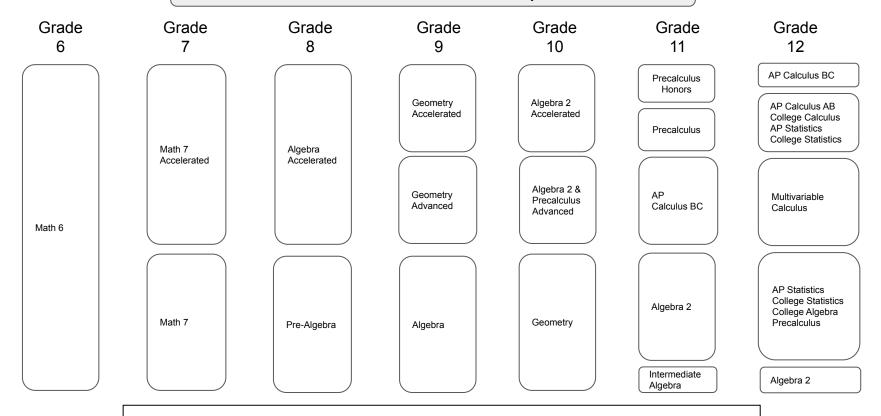
1/2 CREDIT

### This course meets on alternating days for 1 full year

### By Recommendation Only

This class is designed as an extension from English class to support students who have struggled with reading and writing skills. Students will engage in activities that will enhance their understanding of course material. An emphasis will be placed on improving the quality of student work and building literacy skills.

# Mathematics Course Sequence



<u>Electives</u> See Course Guide for descriptions and prerequisites
Math Research Levels 1, 2, 3,
Computer Science Discoveries, CS I, CS II, AP Computer Science Principles, AP Computer Science A

### MATHEMATICS AND COMPUTER SCIENCE

## **Department Philosophy**

The learning of mathematics takes place in a student-centered environment where students are actively involved in the investigation and discovery of mathematical principles. In the process, students learn the language of mathematics, appreciate the beauty of mathematical ideas, and study the relevance of their applications across the disciplines.

### S210 MATHEMATICS 9 (IG)

\*\*\*\*

1 CREDIT

Students who qualify through the Committee on Special Education may enroll in Math 9. This is the first year of a two-year course preparing student for the Integrated Algebra Regents. This includes a concentration on basic mathematical skills and problem solving with emphasis on pre-algebra/algebra skills. To different degrees, students will complete computational and application tasks using whole numbers, decimals, fractions, mixed numbers, ratios, percents, statistics, algebra, and geometry. Specific preparation for the Regents examination in mathematics is integrated into the course curriculum.

### S220 MATHEMATICS 10 (IG)

1 CREDIT

\*\*\*\* Students who qualify through the Committee on Special Education may enroll in Math 10. This is the second of a two-year course which continues the curriculum addressed in Mathematics 9. Topics will include algebra and geometry. It will continue to prepare students for the Regents exam in Algebra I which will be given at the end of this course.

### S230 MATHEMATICS 11 (IG)

1 CREDIT

Students who qualify through the Committee on Special Education may enroll in Math 11. This is a course designed for students who have successfully completed Math 10. The first objective of the course is to provide students with an understanding of basic concepts, and a mastery of computational skills. Students are introduced to concepts in higher mathematics so that they can acquire a foundation for further study. Practical applications are included on an individualized basis using supplementary materials.

#### S241 MATHEMATICS 12 (IG)

1 CREDIT

Students who qualify through the Committee on Special Education may enroll in Math 12. This is a course designed for students who have successfully completed Math 11. This is course provides students with an understanding of basic mathematical concepts required to prepare for a college entry-level math class. This includes basic algebraic equations, geometry, and the reinforcement of higher mathematics. Student will become familiar with the ACCUPLACER exam to support further study in mathematics. Practical applications are included on an individualized basis using supplementary materials.

216 ALGEBRA 1 1 CREDIT

The course formalizes and deepens the understanding of linear, quadratic and exponential functions. Students engage in modeling and problem solving with linear, exponential and quadratic functions. Descriptive statistics is introduced and students interpret, analyze and apply linear models to data. In this course students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to solve problems they encounter in the real world. Students will become fluent in solving characteristic problems involving the analytic geometry of lines, adding, subtracting and multiplying polynomials; transforming expressions, factoring, completing the square, and other algebraic calculations. **Students will take the Algebra I Regents in June.** Algebra1 is also offered to qualifying students in an integrated co-teaching model. Students may qualify for these services through a decision by the Committee on Special Education (CSE).

A workshop course is available for students who need additional support.

226 GEOMETRY 1 CREDIT

### \* GEOMETRY ACCELERATED\*\*

This course formalizes and extends students geometric experience from the middle grades. Students explore geometric situations and deepen their understanding of geometric relationships, moving towards formal mathematical arguments. Triangle congruence, similarity and transformations are emphasized in this course. Students use geometric representations as a modeling tool and perform constructions using physical tools and interactive software. In this course students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to apply Math to real world situations. **Students will take the Geometry Regents in June**. Geometry is also offered to qualifying students in an integrated co-teaching model. Students may qualify for these services through a decision by the Committee on Special Education (CSE).

PREREQUISITES: Successful completion of Algebra or Algebra Accelerated; Geometry Accelerated\*\* - Denotes that a student has taken Geometry in 9<sup>th</sup> grade. This course continues an accelerated study of mathematics.

A workshop course is available for students who need additional support.

1 CREDIT

### \* Grade 9

**GEOMETRY ADVANCED** 

**226ADV** 

By Teacher Recommendation Only

The Geometry Advanced program will prepare students who have shown exceptional interest and motivation in Mathematics for an advanced math pathway which culminates in Multivariable Calculus in Grade 12. Geometry Advanced is paired with Algebra 2/Pre-Calculus Advanced to create a sequence that covers three years of mathematics into two years. Students electing to take this course should be quick learners who understand Math at a deep level. This advanced pathway is recommended for students who have a strong interest in studying Engineering or Mathematics in college. This course is compacted to include trigonometry, and other topics from Algebra 2 and Pre-Calculus. The focus of the course is two-dimensional Geometry, developing formal and informal proofs, coordinate geometry, modeling with three-dimensional Geometry and Trigonometry. The course emphasizes

reasoning, critical analysis, and mathematical modeling. This course contains 16 chapters while the traditional Geometry course only contains 11 chapters. This is a fast paced and rigorous course. **Students will take the Geometry Regents in June**. Upon successful completion of the course, students will be recommended for either Algebra 2 Accelerated or Algebra 2/Pre-Calculus Advanced based on which course they meet the requirements for.

PREREQUISITE: Grade of A+ in Algebra Accelerated, Grade of 90 or higher on the Algebra I Regents

### 230IA INTERMEDIATE ALGEBRA

1 CREDIT

In this course students will reinforce their skills from Algebra 1 and Geometry and be introduced to topics from Algebra 2. Students will take a deeper dive into linear, quadratic and exponential functions and will be introduced to the topics of polynomial, rational, radical and logarithmic functions. Students will continue their development as logical thinkers by applying deduction, proof and mathematical arguments. This course is designed for students that have successfully completed Algebra and Geometry. Upon successful completion of this course, students will move into Algebra 2. This course continues students on a successful path to an Advanced Regents Diploma by preparing them to take the Algebra 2 course and Regents exam in the following school year after taking Intermediate Algebra. This course will culminate in a final exam. Intermediate Algebra is also offered to qualifying students in an integrated co-teaching model. Students may qualify for these services through a decision by the Committee on Special Education (CSE).

PREREQUISITE: Algebra, Geometry

### 231 ALGEBRA 2

### 1 CREDIT

### \* ALGEBRA 2 ACCELERATED\*\*

In this course students will build on their work with linear, quadratic, and exponential functions. Students extend their repertoire of functions to include polynomial, rational and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. In this course students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Algebra 2 is also offered to qualifying students in an integrated co-teaching model. Students may qualify for these services through a decision by the Committee on Special Education (CSE). **Students will take the Algebra 2 Regents in June**.

PREREQUISITES: Grade of B or higher in Geometry or Geometry Accelerated \*\*Algebra 2 Accelerated denotes that a student has taken Algebra 2 in 10<sup>th</sup> grade.

A workshop course is available for students who need additional support.

### 238 ALGEBRA 2/PRE-CALCULUS ADVANCED

1 CREDIT

### By Teacher Recommendation Only

The Algebra 2/Pre-Calculus Advanced program will prepare students who have shown exceptional interest and motivation in Mathematics for an advanced math pathway which culminates in Multivariable Calculus in Grade 12. Algebra 2/Pre-Calculus Advanced is paired with Geometry Advanced to create a sequence that covers three years of mathematics in two years. Students electing to take this course should be quick learners who understand Math at a deep level. This advanced pathway is recommended for students who have a strong interest in studying Engineering or Mathematics in college. This course is compacted to include topics from Algebra 2 and Pre-Calculus Honors. Students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Advanced topics such as sequences and series, limits, analytic geometry, complex numbers, general theory of equations, conic sections, and introductory concepts of calculus are studied in depth. This is a fast paced and rigorous course. Students will take the Algebra II Regents in June. Upon successful completion of the course, and teacher recommendation, students will be placed in Advanced Placement Calculus BC.

PREREQUISITE: Grade of B+ or higher in Geometry Advanced, and grade of 90 or higher on the Geometry Regents

### 245 PRE-CALCULUS

1 CREDIT

### **Grades 11, 12**

This course covers an advanced study of linear, quadratic, absolute value, radical, polynomial, rational, trigonometric, exponential and logarithmic functions. The course begins a study of calculus by competing units on limits and derivatives. This course includes a school midterm examination and a final examination.

PREREQUISITE: Grade of B or higher in Algebra 2 or Algebra 2 Accelerated and a score or 80 or higher on the Algebra II Regents

NEXT PROBABLE COURSE: Advanced Placement Calculus AB or College Calculus, Advanced Placement Statistics or College Statistics

### 247 PRE-CALCULUS HONORS

1 CREDIT

### By Teacher Recommendation Only

This upper level course is designed for students who aspire to take AP Calculus BC the following year. It is an enriched version of the Pre-Calculus Course. Advanced topics such as sequences and series, limits, analytic geometry, complex numbers, general theory or equations, conic sections, and introductory concepts of calculus are studied in depth. This course concludes with a school final exam.

PREREQUISITE: Grade of A+ in Algebra 2 or Algebra 2 Accelerated, grade of 90 or higher on the Algebra II Regents exam

NEXT PROBABLE COURSE: Advanced Placement Calculus AB or BC or Advanced Placement Statistics

### 249AB ADVANCED PLACEMENT CALCULUS AB

1 CREDIT

By Teacher Recommendation Only

This course is comparable to a rigorous first semester course in calculus and follows the course outline published by the College Board. Topics include functions, graphs, limits, derivatives, and integrals. The TI-89 graphing calculator will be used extensively. The course concludes with an AP exam in addition to a school final and a project. This course may not be taken for the pass-fail option.

PREREQUISITE: Grade of B+ or higher in Pre-Calculus

#### 249BC ADVANCED PLACEMENT CALCULUS BC

1 CREDIT

By Teacher Recommendation Only

This course is comparable to a demanding and rigorous first year course in calculus and follows the course outline published by the College Board. Topics include all those covered in AP Calculus AB and additional topics include parametric, polar and vector functions, and polynomial approximations and series. The TI-89 graphing calculator will be used extensively. The course concludes with an AP exam in addition to a school final exam and a project. This course may not be taken for the pass-fail option.

PREREQUISITE: Grade of A or higher in Pre-Calculus Honors or Algebra 2/Pre-Calculus Advanced

### 248ST ADVANCED PLACEMENT STATISTICS

1 CREDIT

This course follows the course outline for AP Statistics published by the College Board. Topics include summarizing and graphing data, probability, estimations, hypothesis testing, linear regression, and the chi-square distribution. The graphing calculator is used extensively. The course concludes with an AP Statistics exam and school final exam and a project. This course may not be taken for the pass-fail option.

PREREQUISITE: Grade of A or higher in Algebra 2 or Algebra 2 Accelerated, or grade of B+ or higher in Pre-Calculus

### 249MV MULTI-VARIABLE CALCULUS AA

1 CREDIT

This course is equivalent to a second-year calculus course in most colleges. The course covers functions of several variables, multiple integration, vector-valued functions, and differential equations. The TI-89 graphing calculator will be used extensively. The course concludes with a school final exam and a project. This course may not be taken for the pass-fail option.

PREREQUISITE: Grade of B or higher in AP Calculus BC

### **ELECTIVES**

### 215MR MATHEMATICS RESEARCH PROGRAM – Level 1 AA

1/2 CREDIT

Mathematical research can be an exciting and rewarding experience for students. In this course students have the opportunity to become familiar with exploring a topic of interest, experience the thrill of making discoveries on their own, and learn the value of "sticking with" a problem. Students are required to participate in the Long Island Math Fair competition. At the conclusion of this course, students will receive a one-half math credit. This course is presented outside of the school day.

### 217HR MATHEMATICS RESEARCH PROGRAM – Level 2

1/2 CREDIT

### By Teacher Recommendation Only

Mathematics Research Level 2 offers students the opportunity to continue exploring in greater depth a topic they have already worked on or a new and more exciting topic. Students are encouraged to be creative with mathematical findings that are new to them. They will be encouraged to extend their mathematical thinking extensions within and extensions beyond a topic as they do their research. Original ideas for research will be explored. All research papers will be submitted and presented at the Long Island Math Fair competition. Depending on the topic and content of the student's research paper, some papers may also be submitted to other competitions. Those students interested in applying to a summer internship in a Math Research program at a college or university will be guided in the application process. Students receive an honors credit if they complete the in-depth course work and participate in the Long Island Math Fair Competition. This course is presented outside of the school day.

PREREQUISITE: Math Research Level 1

### 220HR MATHEMATICS RESEARCH PROGRAM – Level 3

1/2 CREDIT

### By Teacher Recommendation Only

Mathematics Research Level 3 offers students the opportunity to continue exploring In greater depth a topic they have already worked on at Level 2 or a new and more exciting topic. Students are encouraged to be creative with mathematical findings that are new to them. They will be encouraged to extend their mathematical thinking extensions within and extensions beyond a topic as they do their research. Original ideas for research will be explored. In this independent study course, students get to play with mathematics and extend their mathematical knowledge and thinking by trying theories, altering concepts, making conjectures, finding counterexamples, creating proofs, and so on. All research papers will be submitted and presented at the Long Island Math Fair Competition. Depending on the topic and content of the student's research paper, some papers may also be submitted to other competitions. Due to the close relationship between problem solving and math research, students will participate in regional and national level problem solving competitions Those students interested in applying to a summer internship in a Math Research program at a college or university will be guided in the application process. Students receive an honors credit if they complete the in-depth course work and participate in the Long Island Math Fair Competition. This course is presented outside of the school day.

PREREQUISITE: Math Research Level 1 and Level 2

### 243CA COLLEGE ALGEBRA

1 CREDIT

\* Grades 11, 12

This course is designed to provide students with a firm foundation in algebraic reasoning and problem solving. Both procedural skills and conceptual understanding of algebraic

principles are stressed. Topics include equivalent expressions; equations and inequalities; linear functions, quadratic functions and polynomial functions; power functions and rational functions; and exponents and logarithms. Upon completion of this course, students will be prepared for pre-calculus as well as quantitative courses in natural and social sciences.

PREREQUISITE: Passing score in Algebra 2 course and Regents

#### MATH COURSES FOR COLLEGE CREDIT

Students in Grades 11 and 12 have the potential to earn college credits for college level math courses offered at Herricks HS. College credit can be obtained through Adelphi University. Credits earned through the "College Credit Advantage Program" are transferable to most colleges and universities. Please note, students may also opt out of receiving college credit. The following courses are being offered for college credit:

College Statistics: Statistics | 3 Credits | Cost \$390 College Calculus: Calculus | 3 Credits | Cost \$390

The curriculum was written by members of Herricks Mathematics Department, is updated every three years, and was approved by Adelphi University. These courses will build upon the skills learned in other math courses, and continue to enhance understanding of problem solving and important mathematical concepts.

### 248CS COLLEGE STATISTICS

### 1 HS CREDIT/3 ADELPHI UNIVERSITY CREDITS

### \* Grades 11, 12

This introductory course in statistics is designed to provide students with an understanding of basic concepts of probability and statistical inference. Topics included are the binominal, normal, and chi-square distributions; displaying and describing data; the normal curve; regression; probability; statistical inference; confidence intervals; and hypothesis tests with applications in the real world. Computer assignments using Minitab form an integral part of the course. Upon completion of this course, students will have an understanding of how data is used to reach conclusions and make informed decisions, as well as an opportunity to further develop critical thinking and analytical skills. This course may be taken for college credit through Adelphi University (3 credits).

PREREQUISITE: Passing score in Algebra 2 course and Regents

# 248CC COLLEGE CALCULUS

**Grades 11, 12** 

University (3 credits).

### 1 HS CREDIT/3 ADELPHI UNIVERSITY CREDITS

This introductory Calculus course is designed to provide students with a basic understanding of some important concepts in calculus. Topics include the derivative; differentiation of algebraic, trigonometric, exponential and logarithmic functions; applications of the derivative and the definite integral. Students will interpret the derivative both geometrically and contextually; use rules and formulas in determining derivatives of algebraic and transcendental functions; solve problems involving the derivative; and understand the basic concepts of antidifferentiation and the definite integral. Applications are taken from technology, science, and business. Problem solving is stressed. This course may be taken for college credit through Adelphi

PREREQUISITE: Pre-Calculus

### **COMPUTER SCIENCE**

The computer science electives are continuously reviewed and modified to reflect current trends in the academic study of information technology, computational language, and coding. Students will learn about computer systems and the way humans and computers interact from a scientific perspective. Instruction includes programming and the theory and design of software. Students will become familiar with the concepts and tools of computer science as they learn a programming language. They work to design, write, and test computer programs that solve problems or accomplish tasks. CS courses develop computational thinking skills that are applicable across all disciplines.

## 215CS1 COMPUTER SCIENCE I AA Grades 10, 11, 12

1/2 CREDIT

This is an introductory course in Computer Science. Students will learn the basic concepts of hardware, software, data and number systems, logic and programming. Students will also understand the concepts of data flow, translating human logic to computer logic, data abstraction and algorithms. Students will be introduced to Webpage design, HTML and there will be an emphasis on syntax, semantics, and procedural programming using the PYTHON programming language. The course will help develop students' problem solving and critical thinking skills as they engage in tasks and projects. The course concludes with a final exam. This is a one semester course. Students signing up for Computer Science I must also sign up for Computer Science II if they want to take AP Computer Science A in the future.

PREREQUISITE: Geometry

### 215CS2 COMPUTER SCIENCE II AA Grades 10, 11, 12

1/2 CREDIT

In this course, students will continue learning algorithms and data structures in the PYTHON programming language and will be introduced to the idea of object-oriented programming. Topics to be explored in the course include nested iterations, lists, writing and implementing functions. Students will also be introduced to the JAVA programming language and development environment in preparation to take the AP Computer Science A course. The course will provide students with fundamental knowledge about programming necessary to be successful in AP Computer Science A. The course concludes with a final exam. This is a one semester course.

PREREQUISITE: Geometry, Computer Science I

NEXT PROBABLE COURSE: Advanced Placement Computer Science A

# 248CP ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES 1 CREDIT Grades 10, 11, 12

AP Computer Science Principles is an introductory computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing. In this course, students will develop computational thinking skills vital for success across all disciplines. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and they will discuss and write about the impacts these solutions could have on their community, society, and the world. Students will learn and apply JAVASCRIPT programming language using an object-oriented approach. This course concludes with an AP examination.

PREREQUISITE: Geometry

# 249CP ADVANCED PLACEMENT COMPUTER SCIENCE A 1 CREDIT Grades 10, 11, 12

The major emphasis of this course is on programming methodology. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the JAVA programming language. Upon completion of the course, students will take the Advanced Placement Computer Science Examination A.

PREREQUISITE: Computer Science I and Computer Science II

## **MUSIC**

## **Department Philosophy**

The faculty of the Department of Music and Performing Arts wishes to make the arts (specifically music and theatre) accessible to all students and give ample opportunities for the study of and participation in these artistic disciplines. Students are encouraged to develop their skills in an understanding of the arts to the highest level possible through rehearsal and performance, creative activity, scholarly study, and interaction with professional ensembles and artists, with the intent that the students will become lifelong learners in the arts.

Successful completion of a credit in the following courses or course combinations will fulfill the New York State graduation requirement in Art/Music:

Beginner Guitar
Treble Choir
Mixed Choir
Concert Band
String Orchestra
Advanced Placement Music Theory
Theatre Workshop

After graduation requirements have been met, students may continue in music courses as electives until graduation.

**SELECT ENSEMBLES** - Some auditioned ensembles are offered as extracurricular activities for advanced music students. Interested students are invited to audition in early fall for Jazz Ensemble and Jazz Choir, Men's Choir and Women's Choir. For more information, please speak with the teacher responsible for the specific ensemble or the Director of Fine and Performing Arts.

### **COURSE OFFERINGS**

# 800G BEGINNER GUITAR AA Grades 9, 10, 11, 12

1 CREDIT

Students will learn the basics of acoustic guitar, including chords, strumming patterns, tablature, and reading of traditional notation. Music will cover a range of styles, genres, and time-periods. Students will also have an opportunity to compose their own music. Successful completion of this course will fulfill the New York State graduation requirement in Art/Music.

# 815AP ADVANCED PLACEMENT MUSIC THEORY AA Grades 9, 10, 11, 12

1 CREDIT

This course starts with the basic building blocks of music: notation, rhythm, scales, and modes and progresses to intervals, chords, and the theory of harmony. Units will also cover sight-singing and ear training as well as basics of composition. These skills will be applied to studying both traditional and contemporary music literature. Students will be prepared to take the AP Music Theory exam in May. Piano ability and/or participation in a school music ensemble is necessary. Successful completion of this course will fulfill the New York State graduation requirement in Art/Music.

# 815TW THEATRE WORKSHOP AA Grades 9, 10, 11, 12

1 CREDIT

This course is an introduction to the world of theatre and performance. Students will build essential skills in collaboration, creativity, and public speaking. Students will engage with a wide variety of theatrical disciplines, including improvisation, acting, playwriting, technical theatre and theatre history. No theatre or performance experience required. Successful completion of this course will fulfill the New York State graduation requirement in Art/Music.

### J826AE AUDIO ENGINEERING AA Grades 9, 10, 11, 12

1/2 CREDIT

Audio Engineering is open to all students who are interested in music, audio recording, and live sound engineering. The class goes from the theoretical to the practical. An exciting, fast-moving curriculum combines physics, electronics and audio recording history along with hand-on applications of audio engineering techniques, ranging from mic'ing drums, instruments and vocals to tracking and mixing down digital recordings.

# STAC STAC (Student Theatre Arts Company) Grades 9, 10, 11, 12

2.5 CREDITS

STAC (Student Theatre Arts Company) is a multi-disciplinary arts program which meets three periods a day, five times a week. STAC students will develop skills and create work across multiple disciplines in the fine and performing arts, including art, music, dance, drama, filmmaking, and creative writing. STAC students will work individually, as an ensemble, and in collaboration with professional artists in workshop settings. Students will engage with the broader world of the arts through studies, trips to art museums, and live theatre and performances. All STAC students have dedicated fine arts classes (STAC Art) on alternate days. Admission to STAC is based on auditions and submissions. Successful completion of this course will fulfill the New York State graduation requirement in Art/Music.

### MUSIC PERFORMANCE COURSE OFFERINGS

(Public Performance and Additional Sectional Rehearsals Are A Required Part Of These Courses)

### 811B CONCERT BAND AA

1 CREDIT

Grade 9

Concert Band is open to all students who play a band instrument. Concepts learned in Middle School Band are developed such as notation reading, ensemble skills and independent musicianship. The group rehearses music on a NYSSMA Level IV and V and performs in several regularly scheduled concerts in addition to other engagements throughout the year. Successful completion of this course will fulfill the New York State graduation requirement in Art/Music.

# 815B SYMPHONIC BAND AA

1 CREDIT

Grades 10, 11 & 12

Symphonic Band is open to students who play a band instrument. Concepts introduced previously are further developed with considerable emphasis put on development of ensemble and independent musicianship. The group rehearses on a NYSSMA Level V and VI and performs in several regularly scheduled concerts each year.

# 815WE WIND ENSEMBLE AA (HONORS)

1 CREDIT

Grades 10, 11, 12

The Wind Ensemble is open to students by audition in the spring of the previous year. Emphasis is on ensemble performance through study and preparation of repertoire of the highest caliber. There are several regularly scheduled concerts each year in addition to other performances. This class is for serious musicians who seek a focused musical environment.

# 811TC TREBLE CHOIR AA Grade 9

1 CREDIT

The Treble Choir is open to ninth grade female students. Literature will include many genres such as classical, world and folk music. The group rehearses music on a NYSSMA Level IV and V and performs in several regularly scheduled concerts in addition to other engagements throughout the year. Successful completion of this course will fulfill the New York State graduation requirement in Art/Music.

### 811C MIXED CHOIR AA

Grades 9, 10, 11, 12

The Mixed Choir is open to students who enjoy singing and would like to develop the skills to sing in a choral performing ensemble. Skills such as notation reading, correct intonation, sound production, diction, projection and ensemble technique are taught. Literature of several genres will be explored such as classical, world and folk music. The group rehearses music on a NYSSMA Level IV and V and performs in several regularly scheduled concerts in addition to assemblies and other engagements throughout the year. Successful completion of this course will fulfill the New York State graduation requirement in Art/Music.

# 815CC CHAMBER CHOIR AA (HONORS)

1 CREDIT

1 CREDIT

Grades 10, 11, 12

The Chamber Choir is open to students by audition in the spring of the previous year. Emphasis is placed on advanced vocal technique and ensemble skill. A wide range of high caliber vocal repertoire will be explored and performed at several regularly scheduled concerts throughout the year. Other performances may be scheduled as well. This class is for serious musicians who seek a focused musical environment.

# 8110 STRING ORCHESTRA AA

1 CREDIT

Grade 9

String Orchestra is open to students who play a string instrument. Concepts learned in Middle School Orchestra such as notation reading, ensemble skills and independent musicianship are further developed through the study, rehearsal and performance of music chosen from the standard orchestra repertoire. This group is often augmented by wind players from the Bands to rehearse and perform symphonic orchestra repertoire. Successful completion of this course will fulfill the New York State graduation requirement in Art/Music.

# 8150 CONCERT ORCHESTRA AA Grades 10, 11, 12

1 CREDIT

Concert Orchestra is open to students who play a string instrument. Concepts introduced previously are further developed with considerable emphasis put on development of ensemble and independent musicianship. The group rehearses on a NYSSMA Level V and VI and performs in several regularly scheduled concerts in addition to other engagements throughout the year.

# 815CO CHAMBER ORCHESTRA AA (HONORS)

1 CREDIT

**Grades 10, 11, 12** 

The Chamber Orchestra is open to students by audition in the spring of the previous year. Emphasis is on ensemble performance through study and preparation of chamber works by the master composers from the 18<sup>th</sup> Century to the present. There are several regularly scheduled concerts each year in addition to other performances. This class is for serious musicians who seek a focused musical environment.

## PHYSICAL EDUCATION

## **Department Philosophy**

The primary goal of the Herricks High School physical education program is the development of lifetime activities that promote the health and well-being of all our students. Through our comprehensive elective program we aim to provide every student with the knowledge and skills for healthy activities they can incorporate into their daily lives.

**ATTENDANCE**: All students are required to take a physical education program of instruction under State Law (Section 805:5204). The law requires attendance and active participation. The intramural and interscholastic programs, which are of great value to each student, are offered on a voluntary basis.

GRADES: Students will receive a grade of P+ (outstanding), P (pass) or F (failure).

**ACTIVITIES:** The following activities are taught. Some of these activities may be offered on an intramural or interscholastic basis wherever interest warrants. It should be noted that whatever activities are chosen, the physical fitness testing program is required by all students.

Aerobics Paddleball Archery Pickleball

Badminton Recreational Sports

Basketball Self Defense Circus Arts Soccer

Dance Indoor Soccer
Dance (Folk, Social, Square) Softball

Dance Composition Step Aerobics
Dance Performance Team Handball

Flag Football Tennis
Golf Volleyball
Handball Walking

Jogging Weight Training Lacrosse Wellness/Fitness

# 910 PERSONAL FITNESS - AIDS COMPONENT AA Mandated for all 9th Graders

1/2 CREDIT

This is a physical education experience required of all 9th grade students. The curriculum is titled Personal Fitness: Looking Good/Feeling Good. As the title implies, Personal Fitness is an "individualized course." It includes a wide array of topics related to health and physical fitness. Students learn how to assess their own health and fitness levels and, based on that knowledge, design their own personal fitness programs. Students also learn how to maintain a desired level of fitness once they have reached an appropriate level. Students are involved in classroom lecture and discussion, as well as fitness activities in the gymnasium. The activity portion is designed to help students experience personal achievement. After completing this course, each student will be able to recognize myths, fallacies, and misconceptions

associated with exercise and fitness. Other topics include nutrition, stress management, diet, weight control, and dance.

Personal Fitness provides eight sessions in AIDS education and prevention. Lessons involve achieving a healthful lifestyle. Students are given specific information about AIDS and its implications, as well as information about the transmission factors associated with

HIV. Students are provided with techniques for developing proper decision making skills in dealing with risky behavior. Although abstinence is stressed, condom education is provided.

Another component of the Personal Fitness Program is the opportunity for ninth grade students to be part of the SWAP program. S.W.A.P. is an acronym for Share With A Peer. In this program trained student leaders will lead discussion groups and explore topics such as: substance abuse, acclimation to high school life, peer pressure, relationships, positive lifestyle choices and strategies for success in school.

### 920 PERSONAL FITNESS II

1/4 CREDIT

**Grades 10, 11, 12** 

Personal Fitness II enables students to use the knowledge acquired from Personal Fitness (a required 9<sup>th</sup> grade physical education course) in a more practical environment. Students have the opportunity to set, monitor and achieve personal goals while keeping up to date on the latest training techniques. Emphasis in the course is placed on students improving their health and fitness and developing a fitness program that is suitable to their needs.

### 925YO YOGA 1/2 CREDIT

### **Grades 10, 11, 12**

The Yoga physical education election class combines the exploration of the body, mind and self with the exercise system of yoga in order to support and enhance the student's physical, mental, emotional and social development. The focus of the Yoga course is to teach fitness, health and life skills through Yoga, enhance athletic performance and engage non-athletes, improve flexibility, focus, coordination, strength and balance, and develop self awareness.

### 935YO YOGA II 1/2 CREDIT

#### **Grades 11, 12**

Yoga II is a one-year course which will give students who have taken the Yoga Course the opportunity to continue their Yoga practice at a more challenging level. Students enrolled in Yoga II will practice more advanced poses and routines and will continue to explore the many benefits of Yoga (increased flexibility and strength, stress reduction, focus and body awareness).

## 925CB CARDIO-BLAST 1/4 CREDIT

### **Grades 11, 12**

The focus of the Cardio-Blast course is cardiovascular exercise. Students enrolled in this course have the opportunity to experience various methods of cardiovascular exercise. Areas included are warming up, stretching, cooling down, frequency of exercise, duration of exercise and heart zone training. Units incorporated in this course are: step aerobics, circuit training, cardio kickboxing, jogging/sprinting, spinning, power walking and rebounding. Curriculum is updated on a yearly basis to include the latest in cardiovascular exercise. Students enrolled in Cardio-Blast gain knowledge of new training techniques while setting personal fitness goals and have the opportunity to achieve their goals.

# 925ST STRESS MANAGEMENT: COPING WITH THE ENVIRONMENT 1/4 CREDIT Grades 11, 12

Students enrolled in this course have the opportunity to know, practice and implement holistic strategies for coping with internal and external stress. Students reflect on their present lifestyles, and investigate prevailing attitudes that influence choice and behavior. They explore and develop strategies that compliment their individual temperaments, personal goals, and physical mental, and emotional strengths so they might implement these strategies into their lives as teenagers. Activities that are explored include: progressive muscle relaxation, yoga, tai chi, physioball fitness, music and dance. This course meets the State Physical Education requirement.

# 912AD ADAPTED PHYSICAL EDUCATION AA 1/2 CREDIT Grades 9, 10, 11, 12

Adapted physical education is a specially designed program of developmental activities, games sports and rhythms suited to the interests, capacities and limitations of students with handicapping conditions who may not safely or successfully engage in unrestricted participation in the activities of the regular physical education program.

# 925SM INTRODUCTION TO SPORTS MEDICINE AA 1/2 HS CREDIT/3 ADELPHI Grades 10, 11, 12 UNIVERSITY CREDITS

The purpose of this course is to teach students interested in health related careers fundamental skills and knowledge relevant to those areas. Upon completion of the course students earn American Red Cross community First Aid and CPR certifications and Basic Student Athletic Trainer certification. Introduction to Sports Medicine is college accredited with the Adelphi University High School Association Program. Sophomore, junior and senior students may opt to take this course and earn three college credits. This course meets the State Physical Education requirement.

# 935PE PHYSIOLOGY OF EXERCISE AA Grades 11, 12

1/2 HS CREDIT/3 ADELPHI UNIVERSITY CREDITS

The purpose of this course is to give students an opportunity to gain skills, knowledge and experience in physical and physiological development through laboratory, nutrition and active exercise programs. Physiology of Exercise is college accredited with the Adelphi University High School Association program. Herricks junior and senior students may opt to take this course and earn three college credits. Students receive credit for physical education while taking Physiology of Exercise. PREREQUISITE: Introduction to Sports Medicine

# 945MA INTRODUCTION TO MEDICAL ASPECTS AA Grades 11, 12

1/2 CREDIT

The purpose of this course is to give students interested in medical and/or athletic training fields an opportunity to gain valuable knowledge and skills while developing a network of professional contacts through class lectures, class "hands on" procedures and volunteer service in professional settings. In addition to the classroom hours, students are required to do a minimum of thirty hours of volunteer service in a professional setting of their choice.

PREREQUISITE: Introduction to Sports Medicine and Physiology of Exercise

# P921 OUTDOOR EDUCATION AA Grade 12

1/2 CREDIT

Welcome to the wonderful outdoors and the world of challenge! Outdoor Education is a one-year adventure course designed to challenge students, incorporate valuable environmental resources and provide skills for recreation and survival. In addition, students learn lifetime skills and techniques including (but not limited to) Rock Climbing, Kayaking, Fishing, Mountain Biking, Team Building, Low Adventure Course, High Ropes Course, Problem Solving, Orienteering, Hiking, Archery and Winter Activities. This course is recommended for seniors who are in good academic standing. There are multiple mandated field trips during which students will be out of school. Trips include: rock climbing, kayaking, fishing, mountain biking, skiing/snowboarding, orienteering and hiking. The total fees are approximately \$200-\$250. Students who have failed physical education class and need to repeat a course MAY NOT enroll in Outdoor Education and another physical education class concurrently (Appeals may be made to the Chairperson of the Physical Education Department).

### DANCE ELECTIVES

#### 925D1 DANCE 1 AA 1/2 CREDIT

#### Grade 10

This course includes the study of Jazz Dance as an American dance form with an emphasis on the social and ethnic dance forms that have influenced and shaped its development in the United States. This study not only involves the technical aspects of dance, that is, developing one's inherent ability to physicalize a particular style of movement and apply it to one's personal expressiveness, but also an academic exploration into the historical and cultural significance of dance as an art form. Perhaps most importantly, the student will have the opportunity to make an immediate and practical application of this knowledge in his or her own life through the learning of specific dances.

#### 925D2 DANCE 2 AA 1/2 CREDIT Grade 11

Technique, the physical component of the study of dance is an integral aspect of this

course, although it is only part. The inclusion of the historical and cultural aspects of the African, Jazz, and Improvisation dance forms is essential in understanding why people dance and ultimately what the dance can mean to us in our lives. Improvisation, in particular, affords the student the opportunity to explore his or her own personal movement potential in unique and exciting ways. These explorations will hopefully lead the student to a better understanding of and acceptance of self and others.

#### DANCE 3 AA 925D3 1/2 CREDIT

### **Grades 11, 12**

It has been said that, "If you wish to know the culture, study the dance; if you wish to know the dance, study the culture." At this grade level we take a more in-depth look into the cultural significance of specific dance forms: Jazz, Modern, Social, Folk, Ethnic, and Improvisation. This study of the dance from an historical and cultural perspective will impact the student most effectively through the "doing" of the dance. Consequently, the student will take part in diverse movement experiences.

# **HERRICKS SECONDARY SCIENCE**

# 2024-2025

### **REGENTS PROGRAM**

Earth and Space Sciences Regents^

Life Science: Biology Regents^

Life Science: Biology Honors\*^

Physical Setting/Chemistry Regents<sup>^</sup>

Physical Setting/Chemistry Regents (Honors)\*^

Physical Setting/Physics Regents^

### **AP SCIENCE OFFERINGS**

AP Biology\*^

AP Chemistry\*^

AP Environmental Science\*^

AP Physics 1<sup>^</sup>

AP Physics 2\*^

AP Physics C (Mechanics only)\*^

AP Physics C (Mechanics and Electromagnetism)\*^

### **ELECTIVES**

Conceptual Chemistry [Gr. 11-12]^

Conceptual Physics [Gr. 11-12]^

Medical Technology [Gr. 10-12]

Applied Physics<sup>^</sup>

Astronomy [Gr. 9-12]

Forensic Science [Gr. 11-12]^

Genetics [Gr. 10-12]

Human Systems [Gr. 10-12]^

Neuroscience [Gr. 10-12]

Science Research-Introduction\*

[Gr. 9-10]

Science Research-Intermediate\*

[Gr. 10-11]

Science Research-Advanced\*

[Gr. 11]

Science Research-Senior Research\*

[Gr. 12]

Program Excel\*

Environmental Science (IG)\*^

Marine Biology (IG)\*^

\* By Recommendation Only ^Denotes approval by NCAA

## **SCIENCE**

## **Department Philosophy**

The Science Department of Herricks High School encourages all students to experience the many disciplines and aspects of science, both theoretical and experimental. Using the scientific method as our basis for teaching, our students will be capable of developing a scientific viewpoint that transcends individual science disciplines. This will result in a logical, evidence-based approach to problem solving that will allow the students to make informed decisions about personal, societal and global issues.

We promote a lifelong interest in science by:

- Modeling excellence and innovation in science teaching and learning
- · Integrating technology, authentic data and data analysis into our classrooms
- Engaging students in inquiry-based learning experiences
- Promoting independent thinking in our students and our colleagues
- Building a learning environment that encourages self-directed critical thinking and problem solving
- Valuing and encouraging collaborative and collegial behavior among our teachers as well as our students
- Respecting the need for compassion, mindfulness and understanding in our relationships with students, parents and teachers
- Promoting student ownership and integrity in student work
- Encouraging all students to participate in research activities
- Providing our students with an awareness of the interconnection between local and global issues in science

All courses that are Regents courses are noted as such. The number of periods a course meets each week is noted because of the difference among the courses. The extra periods per week are due to the laboratory component in science courses.

# 315NG EARTH AND SPACE SCIENCES REGENTS 1 CREDIT - 7 1/2 periods per week \* Recommendation Only for Grade 9 - Open to Grades 10-12

This course is aligned with the NYS Science Learning Standards, incorporating scientific and engineering practices, disciplinary core ideas and cross-cutting practices. Key concepts to be explored include: the universe and its stars, Earth and Solar System, the history of Planet Earth, plate tectonics, systems interactions, Earth materials and systems, weather and climate, water processes, natural resources and hazards. The ESS course is also offered to qualifying students in an integrated coteaching model. This course culminates in the NYS Regents examination.

# 325NG LIFE SCIENCE: BIOLOGY REGENTS 1 CREDIT - 7 1/2 periods per week \* Recommendation Only for Grade 9 - Open to Grades 10-12

This course is aligned with the NYS Science Learning Standards, incorporating scientific and engineering practices, disciplinary core ideas and cross-cutting practices. Key concepts to be explored include: growth and development of organisms, structure and function, the organization of matter and energy flow in organisms, ecosystems, social interactions and behavior, genetics, biodiversity and humans and biogeology. The Biology Regents course is also offered to qualifying students in an integrated coteaching model. This course culminates in the NYS Regents examination.

PREREQUISITE: Passing grade in a Science Regents examination or permission of the Director of Science

# 317NG LIFE SCIENCE: BIOLOGY HONORS 1 CREDIT - 7 1/2 periods per week \* By Recommendation Only

Open only to ninth grade accelerated Science students who have successfully completed Regents Earth Science and been recommended for the course. This course is aligned with the NYS Science Learning Standards, incorporating scientific and engineering practices, disciplinary core ideas and cross-cutting practices. Key concepts to be explored include: growth and development of organisms, structure and function, the organization of matter and energy flow in organisms, ecosystems, social interactions and behavior, genetics, biodiversity and humans and biogeology. This course culminates in the NYS Regents examination.

### S330 ENVIRONMENTAL SCIENCE (IG) 1 CREDIT

\* Students who qualify through the Committee on Special Education (CSE) may enroll in Environmental Science (IG). This course investigates current topics in geology, environmental, physical, and life sciences with an emphasis on student participation and experimentation. Related current events are also integrated in this course of study.

### S355MB MARINE BIOLOGY (IG)

1 CREDIT

\* Students who qualify through the Committee on Special Education (CSE) may enroll in Marine Biology (IG). This science course is designed to develop an understanding of living organisms. The students will be required to perform laboratory experiments, make observations, and collect and organize data into a laboratory report. A final exam will be given in this class.

### 333 CONCEPTUAL CHEMISTRY

1 CREDIT - 5 periods per week

The student will obtain sufficient chemical knowledge and skills to solve problems and make decisions pertaining to chemically-related personal and societal issues and concerns. The course will encourage the development of inquiry and laboratory skills. This course is not suitable for students fulfilling a Regents sequence in science and planning to major in the sciences in college. However, it may be used to plan courses of study which serve a variety of other student needs and intentions. In most cases, chemical concepts and principles are presented in a qualitative manner. Basic level of proficiency in mathematics is required for success in this course.

PREREQUISITE: Passing grade in a Science Regents examination or permission of the Science Department Chairperson

### 344 CONCEPTUAL PHYSICS

1 CREDIT - 5 periods per week

This course will introduce physics from a conceptual rather than a mathematical viewpoint to understand the fundamental principles and processes of the physical world. Topics include basic concepts of motion, forces, energy, heat, electricity, magnetism, wave phenomena, optics, and the structure of matter and the universe. The concepts and principles of physics will be studied qualitatively using hands-on activities, multimedia and computer simulations. The course will encourage the development of science inquiry and basic laboratory skills. This course is not suitable for students fulfilling a Regents sequence in science and planning to major in the sciences in college. However, it may be used to plan courses of study which serve a variety of other student needs and intentions. Basic proficiency in mathematics is required for success in this course.

PREREQUISITE: Passing grade in Conceptual Chemistry or permission of the Science Department Chairperson

### 335 PHYSICAL SETTING/CHEMISTRY REGENTS 1 CREDIT - 7 1/2 periods per week

This lecture and laboratory course introduces chemistry as a modern science. Emphasis is placed on understanding basic concepts to explain the behavior of matter. Students develop critical thinking and problem-solving skills. Some basic units include atomic structure, bonding, mathematics of chemistry, acid-base chemistry, nuclear chemistry, periodic table, redox and electrochemistry. This course is recommended for all pre-college students. Chemistry is also offered to qualifying students in an integrated co-teaching model. Students may qualify for these services through a decision by the Committee on Special Education (CSE). This course culminates in the NYS Regents examination.

PREREQUISITE: Passing grade in a Science Regents examination or permission of the Science Department Chairperson

### 337 PHYSICAL SETTING/CHEMISTRY REGENTS HONORS

1 CREDIT

#### By Recommendation Only

7 1/2 periods per week

This advanced Regents level course in chemistry is for serious science students only. It follows a more rigorous curriculum than Regents Chemistry. This course culminates in the NYS Regents examination.

PREREQUISITES: Regents or Honors Living Environment. A final grade of B+ (85%) or higher is required in ALL of the science and math Regents courses and Regents examinations

### 345 PHYSICAL SETTING/PHYSICS REGENTS 1 CREDIT - 7 1/2 periods per week

This lecture/recitation and laboratory-based course provides an introduction to understanding classical and modern physics. Classical physics includes: mechanics, energy, electricity, magnetism and wave theory. Modern physics introduces the students to various quantum phenomena, including the Standard Model of Particle Physics. The student's ability to understand physics conceptually, use mathematical analysis, apply the methods of scientific inquiry, model problems and use logical thinking to solve problems is developed throughout the course. Students are introduced to computer technology and its application from using spreadsheets, constructing and analyzing graphs to conducting experiments using computer probes to gather and analyze real time data. This course culminates in the NYS Regents examination for all 10<sup>th</sup> and 11<sup>th</sup> grade students. Twelfth-grade students may opt to sit for the Regents exam.

PREREQUISITE: Passing grade in a Science Regents examination

# 349AP1 ADVANCED PLACEMENT PHYSICS 1 \* By Recommendation Only

1 CREDIT - 7 1/2 periods per week

This lecture/recitation and laboratory-based course provides an introduction to understanding classical physics. Topics include: Kinematics, Dynamics, Fluids, Circular Motion and Gravitation, Energy, Momentum, Simple Harmonic Motion, and Torque and Rotational Motion. The student's ability to understand physics conceptually, use mathematical analysis, apply the methods of scientific inquiry, model problems, and use logical thinking to solve problems is developed throughout the course. Students are introduced to computer technology and its application from using spreadsheets, constructing and analyzing graphs to conducting experiments using computer probes to gather and analyze real time data. Students enrolled in this course are required to take the AP Physics 1 examination offered in May by the College Board. Students may receive AP credit for this course upon the successful completion of the course. THIS COURSE MAY NOT BE TAKEN FOR THE PASS/FAIL OPTION.

PREREQUISITE: Passing grades of B+ or better in a Regents or Honors Living Environment and Chemistry Examinations.

MATHEMATIC PREREQUISITE: Passing grades of B+ or better in Algebra and Geometry.

### 325AS ASTRONOMY ▲▲

1/2 CREDIT

### 1 semester course every day

This course will offer a general survey of our current understanding of the wonders and mysteries of the universe. Beginning with a clear understanding of our own solar system, the course will focus on understanding stellar formation, lifespan of different types of stars, galaxies, black holes and the search for life on exoplanetary systems. The course will include a historical perspective and the role of famous astronomers. The development of telescopes and various instruments and technology used by astronomers today to study the heavens will also be discussed. Students will also learn about various missions, past and present, to the moon, Mars and other planets. The role of astronomy in various cultures will also be discussed. Material will be presented using multimedia, computer simulations, and projects. THIS COURSE MAY NOT BE TAKEN FOR THE PASS-FAIL OPTION.

PREREQUISITE: Regents Earth Science

### 325HS HUMAN SYSTEMS AA

1/2 CREDIT

### Grades 10, 11, 12

1 semester course every day

This course helps develop knowledge of the functions of the human body and will cover the major systems: Digestive, Circulatory, Respiratory, Endocrine, Nervous, and Immune systems. The course also presents some common disorders associated with each system and investigates modern diagnostic methods and treatment protocols. This course will be especially helpful to those interested in the biological and health sciences. THIS COURSE MAY NOT BE TAKEN FOR THE PASS-FAIL OPTION.

PREREQUISITE: Regents Living Environment and passing grade for the Living Environment Regents examination

Grades 10, 11, 12

This course is designed to provide students with a more in-depth look into several areas of a clinical laboratory, including histopathology, hematology, microbiology, immunology and urinalysis, with an emphasis on detection and diagnosis of diseases and illnesses. Students will simulate clinical laboratory tests and analysis of cells, blood and other body fluids to detect abnormalities. Mammalian anatomy is investigated by virtual dissection. These areas are studied through short-term case studies and long-term research units. THIS COURSE MAY NOT BE TAKEN FOR THE PASS/FAIL OPTION.

PREREQUISITE: Regents Living Environment and Regents Chemistry (Regents Chemistry may be taken concurrently)

# 347 ADVANED PLACEMENT BIOLOGY \* By Recommendation Only

1 CREDIT - 7 1/2 periods per week

The goal of this college level biology course is to cultivate and build upon students' prior understanding of biology concepts including: biochemistry, cell biology, energetics, genetics, evolution and ecology. A deeper understanding will be achieved through various application and inquiry-based investigations, including a field-based experience at the DNA Learning Center in Cold Spring Harbor. There is also a great emphasis on fine tuning experimental design skills and statistics/data analysis as they apply to various biology topics. Subcellular contributions/genetics that cause and remedy disease is also explored. This course is for serious science students only and involves a great deal of applied knowledge and reading comprehension skills. The student must take the advanced placement examination at the end of the course. College credit may be given for this course at the discretion of the particular college the student attends. THIS COURSE MAY NOT BE TAKEN FOR THE PASS/FAIL OPTION.

PREREQUISITE: Regents or Honors Living Environment and Regents or Honors Chemistry. A final grade of B+ or higher is required in Living Environment and Chemistry for success in this course. A final grade of B+ (85%) or higher is required in ALL of the science Regents courses and examinations.

# 348 ADVANCED PLACEMENT CHEMISTRY \* By Recommendation Only

1 CREDIT - 7 1/2 periods per week

This college level course in chemistry is for serious science students only. The student must take the advanced placement examination at the end of the course. College credit may be given for this course at the discretion of the particular college involved. THIS COURSE MAY NOT BE TAKEN FOR THE PASS-FAIL OPTION.

PREREQUISITE: Regents or Honors Chemistry. A final grade of B+ or higher is required in Living Environment, Chemistry, and Physics for success in this course. A final grade of B+ (85%) or higher is required in ALL of the science and mathematics Regents courses and examinations.

COREQUISITE: Regents Physics must be taken concurrently with AP Chemistry or must be completed prior to taking this course.

### 346 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

### **By Recommendation Only**

1 CREDIT - 7 1/2 periods per week

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. This college level course is for students interested in an interdisciplinary approach to the fields of Earth Science, Geology, Ecology, and Sociology. The course includes both laboratory and field experiences. College credit may be given for this course at the discretion of the particular college the student attends. THIS COURSE MAY NOT BE TAKEN FOR THE PASS-FAIL OPTION.

PREREQUISITE: Regents Earth Science, Regents or Honors Living Environment and Regents or Honors Chemistry. A final grade of B (80%) or higher is required in ALL of the Science Regents courses.

### 340 APPLIED PHYSICS

1/2 CREDIT

### Grades 11, 12

1 semester course every day

This course is designed to provide students with a more in-depth investigation to the everyday applications of physics concepts. Physics topics may include kinematics, dynamics, energy, electricity, magnetism, waves, optics, and modern physics. The concepts will be approached through the lens of everyday life experiences in sports, music, dancing, acrobatics, driving, movies, comics, etc. Students will have opportunities to complete both hands-on and research projects. This course may be taken after completion of Regents Physics or AP Physics 1. THIS COURSE MAY NOT BE TAKEN FOR THE PASS/FAIL OPTION.

PREREQUISITE: Passing grade in Regents or Honors Chemistry

# 349AP2 ADVANCED PLACEMENT PHYSICS 2

1 CREDIT - 7 1/2 periods per week

\* By Recommendation Only

This course is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. To earn credit for the course, the student must take the AP Physics 2 examination. College credit may be given for this course at the discretion of the particular college the student attends. THIS COURSE MAY NOT BE TAKEN FOR THE PASS-FAIL OPTION.

PREREQUISITE: Students should have had AP Physics 1. A final grade of a B+ or higher is required in Living Environment, Chemistry and AP Physics 1. A final grade of B+ (85%) or higher is required in ALL of the Regents courses and examinations in science and mathematics.

COREQUISITE: Students should have taken or be concurrently taking Precalculus.

# 349CME ADVANCED PLACEMENT PHYSICS-C (Mechanics and Electromagnetism)

### By Recommendation Only

1 CREDIT - 7 1/2 periods per week

This college level course in Physics is for advanced science and math students only. AP Physics C is a calculus-based course that includes topics in classical mechanics and classical electromagnetism. This course is intended for students who plan to major in Engineering and Physics. To earn credit for the course the student must take both parts of the AP Physics C examination. College credit may be given for this course at the discretion of the particular college the student attends. THIS COURSE MAY NOT BE TAKEN FOR THE PASS-FAIL OPTION.

PREREQUISITE: Regents Physics, Regents Chemistry, Regents or Honors Living Environment are required as well as an exceptional background in mathematics. A final grade of B+ (85%) or higher is required in ALL of the Regents courses and examinations in science and mathematics.

COREQUISITE: AP Calculus BC

### 349CM ADVANCED PLACEMENT PHYSICS-C (Mechanics Only)

### By Recommendation Only

1 CREDIT - 7 1/2 periods per week

This college level course in Physics is for advanced science and math students only. AP Physics C is a calculus-based course that focuses upon topics in classical mechanics. To earn credit for the course the student must take the AP Physics C Mechanics examination. College credit may be given for this course at the discretion of the particular college the student attends. THIS COURSE MAY NOT BE TAKEN FOR THE PASS-FAIL OPTION.

PREREQUISITE: Regents Physics, Regents Chemistry, Regents or Honors Living Environment are required as well as an exceptional background in mathematics. A final grade of B+ (85%) or higher is required in ALL of the Regents courses and examinations in science and mathematics.

COREQUISITE: AP Calculus BC or AP Calculus AB

# 335FS FORENSIC SCIENCE AA \* Grades 10, 11, 12

1/2 CREDIT

1 semester course every day

Did you ever wonder how law enforcement agencies solve their crimes? Science can play a major role! This course studies how science is used to solve crimes. Forensic science begins at the scene of the crime and extends through the crime lab and into the court room. Topics covered include fingerprinting, DNA analysis, forensic anthropology, serology, and hair analysis. In order to merge theory with practice, students will do a variety of lab activities, using the tools of the forensic scientist. Students will use the science knowledge they acquire to determine what happened and who was involved. This course may appeal to students who are interested in a more application-based science course. This course is a one-semester course and may be used to satisfy a 1/2 credit of a science course requirement.

PREREQUISITE: Regents Living Environment

### 330GE GENETICS

1/2 CREDIT

**Grades 10, 11, 12** 

1 semester course every day

This one-semester High School Genetics course is designed to introduce students to the fascinating world of genetics, the branch of biology that explores the principles governing the inheritance of traits and the molecular mechanisms underlying them. Students will delve into the world of genes, DNA, and inheritance, and learn how traits are passed from one generation to the next. They will also examine the latest advancements in genetic technologies and their applications in fields such as medicine, agriculture, and biotechnology. Throughout the course, students gain insights into the

ethical and societal implications of genetic research, various genetic disorders, and the Human Genome Project. Through engaging lessons, hands-on experiments, and thought-provoking discussions, students will develop a strong foundation in genetics and its real-world implications. This elective is an in-depth exploration of the field of genetics that goes beyond what you have already learned in your biology class. THIS COURSE MAY NOT BE TAKEN FOR THE PASS/FAIL OPTION

PREREQUISITE: Satisfactory completion of Regents Living Environment and Regents/Honors Chemistry (Regents Chemistry may be taken concurrently). Students who have enrolled in or completed AP Biology are not eligible for this elective course.

### 330NE NEUROSCIENCE

1/2 CREDIT

### Grades 10, 11, 12

1 semester course every day

Neuroscience is a rapidly growing field in the science community with over 100 college programs in neuroscience offered in the country. This course will allow motivated students to further their understanding of the brain and spinal cord anatomy, neuron structure and function, development of the nervous system, electrophysiology, synaptic transmission and neuropharmacology, and provides a much needed link between the fields of biology and psychology. This course is appropriate preparation for college programs focusing on neuroscience, psychology, pharmacy, nursing, biology, chemistry and biochemistry. THIS COURSE MAY NOT BE TAKEN FOR THE PASS/FAIL OPTION.

PREREQUISITE: Satisfactory completion of Regents Living Environment and Regents/Honors Chemistry (Regents/Honors Chemistry may be taken concurrently)

### 315HR SCIENCE RESEARCH: INTRODUCTION TO RESEARCH

1/2 CREDIT

**Grades 9, 10 (First Year Research Students) Class Meets Alternate Days for Full Year** 

This course is designed for any student who wants to learn the foundations of science research. This course emphasizes the scientific method as the foundation for all scientific research. Students will work in groups and individually to learn the importance of applying the scientific method and its applications through the design and execution of research experiments to solve scientific problems. Topics include the understanding of scientific literature, database search methods, experimental design, and scientific paper writing. Power Point presentations, scientific paper writing and poster board presentations comprise quarterly grades.

Honors weighting is dependent upon registration in Senior Independent Research in 12<sup>th</sup> grade.

PREREQUISITE: Recommendation from Science Department member.

### 327HR SCIENCE RESEARCH: INTERMEDIATE RESEARCH

1/2 CREDIT

Grades 10, 11 (Second Year Research Students)

Class Meets Alternate Days for Full Year

This course is to be taken after the completion of Introduction to Science Research. This course is a continuation of the successful completion of Introduction to Science Research. Topics include resume writing, intensive and extensive literature searches and the understanding of scientific journal articles and preparation for contacting a researcher method in a chosen area of science. Grade requirements are: maintaining a lab notebook, quarterly power point presentations, journal article summaries, and preparing a portfolio. Students are highly encouraged to apply to high school research programs for summer participation as rising juniors. Teacher recommendation.

Honors weighting is dependent upon registration in Senior Independent Research in 12<sup>th</sup> grade.

PREREQUISITE: Completion of Science Research: Introduction to Research COREQUISITE: Regents Living Environment may be completed prior to taking this course, or taken concurrently with the course.

### 337HR SCIENCE RESEARCH: ADVANCED RESEARCH

1/2 CREDIT

Grade 11 (Third Year Research Students) Weekly Meetings with Research Teacher

This is the third class in the Science Research sequence to be taken after the completion of Introduction to Research and Intermediate Research. Emphasis will be placed on scientific paper writing skills, poster board presentations, power point, application essays and other tasks in order to prepare students for junior and/or senior level competitions. A research report is due in the first quarter. Students will be encouraged to apply to various summer research programs. Students are encouraged to participate in science fairs such as The Research Association Invitational Science Fair, Long Island Science Congress, LISEF and others. Teacher recommendation.

Honors weighting is dependent upon registration in Senior Independent Research in 12<sup>th</sup> grade.

PREREQUISITE: Completion of Science Research: Intermediate Research

# 347HR SCIENCE RESEARCH: SENIOR INDEPENDENT RESEARCH Grade 12 (Senior Year Research Students)

1/2 CREDIT

Independent Study: Weekly Meeting with Research Teacher

This class is open to seniors who have completed the three-year Science Research sequence and are submitting research papers to the Regeneron STS, LISEF and NYSSEF along with other invitational competitions. Students will meet with the research teacher weekly to revise research papers, fill out applications and competition forms, create poster board and power point presentations and work on oral presentations. Students who enroll in Senior Research are required to have a completed research project and paper prior to the start of their senior year. It is mandatory for all students to participate in one of the following: Regeneron STS and LISEF.

PREREQUISITE: Completion of the three-year Science Research sequence

## SHELTER ROCK ACADEMY

The Shelter Rock Academy (SRA), a satellite program of Herricks High School, is an environment dedicated to developing individual and community commitment and responsibility. The program is designed to respond to a population of students at Herricks High School who would benefit from an approach to learning that builds self-esteem, addresses social-emotional needs, promotes academic independence, and values community involvement.

The staff at The Shelter Rock Academy values the pursuit of knowledge with a teaching process that emphasizes cooperation and peer-learning to foster respect for self, community, and differing opinions. This program is small in size and provides a structured environment necessary to address our students' social-emotional needs. Attention is given to individual needs, interests and talents, and efforts are made to eliminate failure. A wide variety of experiences and hands-on opportunities create a stimulating environment that promotes academic success and life-long learning.

The Shelter Rock Academy is a general education program with Regents level classes providing core requirements for a Regents diploma. All academic courses offered are consistent with courses offered at Herricks High School's main campus. All teachers are certified in their respective content areas. Courses are designed to meet graduation requirements and standards. Students participate in all standardized tests and must achieve all proficiencies for graduation.

The Shelter Rock Academy offers the following courses:

English	Social Studies	Math	Science	Misc.
English 9	Global History 9	Algebra	Living Environment	Studio Art
English 10	Global History 10	Geometry	Earth Science	Drawing & Painting
English 11	American History & Government	Intermediate Algebra	Forensic Science	Physical Education
English 12	Economics & Government	Algebra 2		Health
	US History through Film & Rock-N-Roll			Academic Workshop
				World Language

# **HERRICKS SECONDARY SOCIAL STUDIES**

GRADE 9	GRADE 10	GRADE 11	GRADE 12	ELECTIVES
1 Credit	1 Credit	1 Credit	½ Credit in Economics ½ Credit in Participation in Government	Independent Research in Social Studies IAA** Independent Research in
World History 9	Global History &	U.S. History &		Social Studies II A A**
OR	Geography 10	Government 11	The following fulfills the Participation in	Independent Research in Social Studies III A **
	OR	OR	Government requirement:	Independent Research in Social Studies IVAA**
Global Studies 9(IG) <sup>1</sup>	World History 10	American History 11	Criminal Justice	PsychologyAA* Model United Nations/
	OR	OR	Man's Inhumanity Sociology	International Studies 1AA Model United Nations/
	Global Studies 10(IG) <sup>1</sup>	U.S. History 11(IG) <sup>1</sup>	U.S. Gov't. & Politics AP*	International Studies 2AA Model United Nations/
			AND	International Studies 3 A A Model United Nations/
			The following fulfills the	International Studies 4
			Economics requirement:	History through Film A Philosophy IAA
			Economics	Program Excel***
·World History Workshop	·All students must take,	·All students must take,	AP Macroeconomics**	Psychology AP*
9 class is recommended for students who have	and pass, a Regents exam in Global History 10	and pass, a Regents exam in U.S. History & Gov't	AP Economics*	World History Workshop**
not had previous success in Social Studies	·Academic Intervention	·Academic Intervention	OR	Human Geography AP* Philosophy II*
	mandated in the event of	mandated in the event of	The following fulfills both	News Literacy ▲ ▲
	Regents failure	Regents failure.	the Participation in Gov't.	Racial Literacy in
	The germe rames		and Economics	Society∧∧*
			requirement:	Racial Literacy in Society II 🗚
			Gov't. & Economics*	Racial Literacy in Society IIIAA
			OR	If Gov't and Economics requirements have been
			Gov't. & Economics (IG)*1	met, the following may be taken as electives:
				Criminal Justice♠♠ Man's Inhumanity♠♠ Sociology♠♠
<sup>1</sup> CSE Recommendation *Full Year Course			A Pass/Fail	

<sup>\*\*\*</sup>Teacher Recommendation

<sup>\*</sup>Full Year Course

<sup>\*\*</sup>Full Year Course/meets every other day

A Pass/Fail
Option Available

### **SOCIAL STUDIES**

## **Department Philosophy**

The goals of the Social Studies Department are to develop a student body which thinks critically and which:

- raises vital questions and problems, formulating them clearly and precisely;
- gathers and assesses relevant information, using abstract ideas to interpret effectively;
- comes to well-reasoned conclusions and solutions, testing them against relevant criteria and standards;
- thinks open-mindedly and critically within alternative systems of thought, recognizing and assessing, as need be, their assumptions, implications, and practical consequences; and
- communicates effectively with others in creating solutions to complex problems.

### **NINTH GRADE**

### 115 WORLD HISTORY 9

1 CREDIT

\* This first year course of a two-year sequence in World History is designed to provide students with an understanding that the world is interdependent and that events occurring in one place often have their causes or effects in another. Through a comprehensive chronological and thematic study of major historical eras from ancient civilizations into the eighteenth century, students will "analyze critical turning points" in Western and non-Western history. A final exam will be given at the end of this course. Students are also strongly recommended to take the AP World History exam at the end of Grade 10 and may receive AP credit in grade 10. World History 9 is also offered to qualifying students in an integrated co-teaching model. Students may qualify for these services through a decision by the Committee on Special Education (CSE).

### S110 GLOBAL STUDIES 9 INDIVIDUAL GROWTH (IG)

1 CREDIT

\* Students who qualify through the Committee on Special Education may enroll in Global Studies 9 IG. This first course in a two-year sequence in Global History is designed to provide students with a chronological and thematic study of major historical eras from ancient civilization into the eighteenth century. The focus of this course is to improve students' reading and writing skills, help students write and understand thesis statements, teach students how to formulate opinions based on evidence, help students think critically, and to teach students how to compare and contrast people, places, and events that have shaped world history.

### **TENTH GRADE**

### 123 GLOBAL HISTORY AND GEOGRAPHY 10

1 CREDIT

This second-year course in Global History will provide students with an in-depth and chronological study of all regions of the world from the 18th century to the present. This course is designed for students needing to improve their skills in reading and writing in the content area of Social Studies. Appropriate books and materials are used and smaller classes allow greater individualization of instruction. A NY State Regents exam covering Global History 10 content is required at the end of this course. Global History and Geography 10 is also offered to qualifying students in an integrated coteaching model. Students may qualify for these services through a decision by the Committee on Special Education (CSE).

### S120 GLOBAL STUDIES 10 INDIVIDUAL GROWTH (IG)

1 CREDIT

Students who qualify through the Committee on Special Education may enroll in Global Studies 10 IG. This second-year course in Global history will provide students with an in-depth and chronological study of all regions of the world from the 18<sup>th</sup> century to the present. This course is designed for students needing to improve their skills in reading and writing in the content area of Social Studies continuing to focus on their skills in reading and writing started in Global Studies 9 IG. A Regents exam covering Global Studies 9 and 10 is given at the end of this course.

### 125 WORLD HISTORY 10

1 CREDIT

\* This second course of a two-year sequence in World History continues through a comprehensive chronological and thematic study of major historical eras from the eighteenth century to the present. Students will "analyze critical turning points" in western and non-western history. A NY State Regents exam covering 10<sup>th</sup> grade material is required at the end of the course. In addition, taking the AP World History exam is highly recommended. World History 10 is also offered to qualifying students in an integrated co-teaching model. Students may qualify for these services through a decision by the Committee on Special Education (CSE).

### AP Credit Grade 10:

- 1. All students in World History 10 take a midterm (an essay to be graded for the third quarter). After the essay, students who want AP credit take a multiple-choice test (40-50 questions from the period of 1750-1914) to be graded as part of the second quarter. The multiple-choice test is curved. Students can opt out of having the multiple-choice section counted after reviewing their scores with their teachers.
- 2. Students sit for a DBQ in an after-school session in April. There will be two opportunities to attend the DBQ session. There will be two after school review sessions on DBQ writing prior to the actual DBQ.
- 3. Students sit for the AP World History exam.

### **ELEVENTH GRADE**

### 133 UNITED STATES HISTORY AND GOVERNMENT

1 CREDIT

This course is organized chronologically with emphasis on the development, structure and function of the U.S. government, the Constitution, significant constitutional issues, and the U.S. as a developing and fully developed industrial nation and world power. This course is designed for students needing to improve their skills in reading and writing in the content area of Social Studies. Appropriate books and materials are used and smaller classes allow greater individualization of instruction. A NY State Regents exam is required at the end of this course. United States History and Government is also offered to qualifying students in an integrated co-teaching model. Students may qualify for these services through a decision by the Committee on Special Education (CSE).

### S130 UNITED STATES HISTORY 11 (IG)

1 CREDIT

\* Students who qualify through the Committee on Special Education may enroll in United States History 11 (IG). This course is organized chronologically with emphasis on the U.S. as a developing and fully developed industrial nation. Students will study the impact of the U.S. Constitution and structure of the government. This course is designed for students needing to improve their skills in reading and writing in the content area of Social Studies. A Regents exam in United States History and Government will be given at the end of this course.

### 135 AMERICAN HISTORY

1 CREDIT

\* This course is organized chronologically with emphasis on the development, structure and function of the U.S. government, the Constitution, significant constitutional issues and the U.S. as a developing and fully developed industrial nation and world power. A NY State Regents exam is required at the end of this course. In addition, taking the AP US History exam is highly recommended.

### AP Credit Grade 11:

- 1. Only students in American History who wish to get AP credit will sit for a multiple choice midterm to be counted for the second quarter (40-50 questions from the period 1492-1865). The test will be curved. Students can opt out of having the midterm count after reviewing their scores with their teacher.
- 2. Students sit for a DBQ in an after-school session in April. There will be two opportunities to attend the DBQ session. There will be two after school review sessions on DBQ writing prior to the actual DBQ.
- 3. Students sit for the AP U.S. History exam.

There are no admission requirements for any Advanced Placement Social Studies course.

### **TWELFTH GRADE**

**Requirements:** All seniors must successfully complete courses in Economics and Participation-in-Government for graduation.

Each of the following courses meets the NY State Regents graduation requirement for an <u>Economics</u> course.

145EC ECONOMICS 1/2 CREDIT

\* Individuals and societies make economic decisions. Each must confront the problem of limited resources and unlimited wants. Economics is the study of who gets what, how much do they get and by what means do they get it. Topics include: Economic Systems, Microeconomics, Macroeconomics, U.S. and the World Economy.

#### 149EAP ADVANCED PLACEMENT ECONOMICS

1 CREDIT

\* The purpose of the full year AP Economics course is to give students a thorough understanding of college level Macro and Micro Economics. Many colleges only give credit to students who take a full year of AP Economics and this class would afford students that opportunity. In order to receive credit for this course all students must successfully complete the full year of course work and take Advanced Placement exams in both Macroeconomics and Microeconomics.

### 149ME ADVANCED PLACEMENT MACROECONOMICS

1/2 CREDIT

\* The purpose of an AP course in Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price determination, and also develops students' familiarity with economic performance measures, economic growth, and international economics. In addition, students will study basic economic concepts associated with macroeconomics such as supply and demand, elasticity and the exchange markets. AP Macroeconomics utilizes a college level text and is for students who would be challenged by a thorough analysis of economics concepts. Class participation is an important component of evaluation. In order to receive credit for this course, all students must successfully complete the course work and take the Advanced Placement Macroeconomics exam.

Each of the following courses meets the NY State Regents requirement for a <u>Participation in Government</u> course.

### 143MI MAN'S INHUMANITY TO MAN

1/2 CREDIT

\* Persecution, genocide and human rights violations always seem to be with us. In order to try to understand the underlying causes of man's inhumanity to his fellow man, students will examine, analyze, and discuss historical and contemporary events. Emphasis is placed on the human effect persecution has upon victims and oppressors and on how governments and people can find solutions to this horror. The course content includes historical readings, diaries, newspapers, biographies, and recollections of actual participants. Students taking this course must be prepared to deal with emotionally charged material and must be ready to approach the subject with maturity and objectivity.

143SO SOCIOLOGY 1/2 CREDIT

\* This course introduces the student to the methodology and content of sociology. The focus of the course is to analyze behavior as a result of various social group identifications such as religion, family, education and bureaucracy, and to analyze the causes and consequences of social and political change.

#### 143CJ CRIMINAL JUSTICE

1/2 CREDIT

\* This course will focus on the criminal justice system, with emphasis on its impact on young people. Topics include the role of law in society, crime, legal rights, criminal justice procedure and rights of students in school. Class participation is an important component of evaluation since students are expected to be enthusiastic, enjoy working with others and be willing to participate.

#### 148 ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS 1 CREDIT

\* This demanding college-level course is recommended for students who have demonstrated superior ability in writing and reading and have a strong interest in understanding how the federal government works and the influence of politics on the federal government's attempt to solve crucial issues facing the country. Can government honestly govern without campaign finance reform? Are special interests, lobby and pressure groups the real sources of power in the U.S.? Is there an alternative to negative campaigning? Will the growth of partisanship in Congress affect its ability to legislate for all the people? These, and many other questions, will be examined in AP U.S. Government and Politics. In addition, students are expected to familiarize themselves with current political news stories. In order to get credit for this course, all students must successfully complete the course work and take the Advanced Placement exam.

The following course meets the NY State Regents requirement for <u>Participation in Government</u> and <u>Economics</u>

### 143PG GOVERNMENT AND ECONOMICS

1 CREDIT

\* This course is designed to help students learn how to participate in the economy and influence the society in which they live. Additional emphasis will be focused on personal careers, current events, and financial planning for the future. This course is designed for students needing to improve their skills in reading and writing in the content area of Social Studies. This course is also offered to qualifying students in an integrated co-teaching model. Students who qualify through the Committee on Special Education (CSE) may enroll in Government and Economics.

#### S140 GOVERNMENT AND ECONOMICS (IG)

1 CREDIT

This course is designed to help students learn how to participate in the economy and influence the society in which they live. Additional emphasis will be focused on personal careers, current events, and financial planning for the future. This course is designed for students needing to improve their skills in reading and writing in the content area of Social Studies. This course is also offered to qualifying students in a self-contained individual growth model (IG). Students who qualify through the Committee on Special Education (CSE) may enroll in Government and Economics.

#### **ENRICHMENT ELECTIVES/SOCIAL STUDIES**

The following electives may be taken only <u>in addition</u> to those required courses previously listed. The student will receive elective credit, but these courses <u>may not</u> be taken to fulfill Social Studies requirements because of their highly specialized content.

## 117HR INDEPENDENT RESEARCH IN SOCIAL STUDIES I

1/2 CREDIT

Grades 9, 10, 11, 12

This course of study is designed for students interested in exploring learning beyond the classroom. Students will select a subject of interest and complete, under the direction of a teacher/mentor, a high-level research project on topics ranging from ancient history to present day. The finished product can take shape in many different forms (i.e. a paper, documentary film, humanitarian project, etc.). Although students will work individually or with partners on their projects, Independent Research I will be a regularly scheduled class that meets on alternate days for one full year.

Students who satisfactorily complete the course and the projects receive honors credit.

### 127HR INDEPENDENT RESEARCH IN SOCIAL STUDIES II

1/2 CREDIT

Grades 10, 11, 12

This course of study is designed for students who wish to continue their independent research in social studies. Students will select a subject of interest or continue research on a topic previously selected, and complete, under the direction of a teacher/mentor, a high-level research project. Although students will work individually or in teams, Independent Research II will be a regularly scheduled class that meets on alternate days for one full year.

PREREQUISITE: Independent Research I in Social Studies

Students who satisfactorily complete the course and the projects receive honors credit.

#### 137HR INDEPENDENT RESEARCH IN SOCIAL STUDIES III

1/2 CREDIT

Grades 10, 11, 12

This course of study is designed for students who wish to continue their independent research in social studies. When available, students in this course will collaborate with graduate students from NYU's School of Global Affairs on international issues. They will be partnered with mentors to guide them through their research and make scholarly presentations of their work to professors at the university. Although students will work individually or in teams, Independent Research in Social Studies III will be a regularly scheduled class that meets on alternate days for one full year.

PREREQUISITE: Independent Research I and II in Social Studies

Students who satisfactorily complete the course and the projects receive honors credit.

## 147HR INDEPENDENT RESEARCH IN SOCIAL STUDIES IV

1/2 CREDIT

Grades 10, 11, 12

This course of study is designed for students who wish to continue their independent research in social studies. When available, students in this course will collaborate with graduate students from NYU's School of Global Affairs on international issues. They will be partnered with mentors to guide them through their research and make scholarly presentations of their work to professors at the university. Although students will work individually or in teams, Independent Research in Social Studies IV will be a regularly scheduled class that meets on alternate days for one full year.

PREREQUISITE: Independent Research I, II and III in Social Studies

Students who satisfactorily complete the course and the projects receive honors credit.

#### 145PS PSYCHOLOGY AA

1 CREDIT

Grades 10, 11, 12

Why do we behave the way we do? How do we think and learn? Find out! Study Psychology! This course is an in-depth study of human behavior. Content will focus on basic theories in psychology relating to human development, personality, learning, social behavior, and behavior disorders. A major portion of the course is devoted to applying these theories to the practical concerns students have in meeting the demands of everyday living.

# 125U1 MODEL UNITED NATIONS/INTERNATIONAL STUDIES I Grades 9, 10, 11, 12

1/2 CREDIT

This course will provide students with a unique opportunity to research and debate global issues from the perspective of individual countries through the simulation of the central elements of the United Nations (primarily the General Assembly, the Security Council and the International Court of Justice and their related committees). It will prepare students for Model UN conferences by developing research skills, learning parliamentary procedure and through weekly debates. Each student will be assigned a country for the duration of the course and will be asked to prepare, present and debate resolutions from the perspective of his/her country. There is an average cost of \$250/conference which includes: transportation, accommodations and fees.

Students who satisfactorily complete the course and the projects receive honors credit.

# 125U2 MODEL UNITED NATIONS/INTERNATIONAL STUDIES 2

1/2 CREDIT

Grades 9, 10, 11, 12

While students will share class time with Model United Nations 1, 3 and 4 students, the curriculum for second semester Model United Nations students will not be the same. Students will be expected to research topics on their own two days a week. At the same time, all class members will be expected to take weekly current events quizzes and submit position papers and resolutions. The second semester students will be expected to lead debates early in the semester to provide a model for the novices. There is an average cost of \$250/conference which includes: transportation, accommodations and fees.

PREREQUISITE: Model United Nations 1

Students who satisfactorily complete the course and the projects receive honors credit.

# 135U3 MODEL UNITED NATIONS/INTERNATIONAL STUDIES 3 Grades 10, 11, 12

1/2 CREDIT

While students will share class time with Model United Nations 1, 2 and 4 students, the curriculum will not be the same. All class members will be expected to take weekly current events quizzes and submit position papers and resolutions. Third semester students will be expected to lead debates early in the semester to provide a model for the novices. They will also do independent research and produce articles for publication. There is an average cost of \$250/conference which includes: transportation, accommodations and fees.

PREREQUISITE: Model United Nations 1 and 2

Students who satisfactorily complete the course and the projects receive honors credit.

## 135U4 MODEL UNITED NATIONS/INTERNATIONAL STUDIES 4

Grades 10, 11, 12

1/2 CREDIT

While students will share class time with Model United Nations 1, 2 and 3 students, the curriculum will not be the same. All class members will be expected to take weekly current events quizzes and submit position papers and resolutions. Fourth semester students will be expected to lead debates early in the semester to provide a model for the novices. They will also do independent research and produce articles for publication. There is an average cost of \$250/conference which includes: transportation, accommodations and fees.

PREREQUISITE: Model United Nations 1, 2 and 3

Students who satisfactorily complete the course and the projects receive honors credit.

### 125F HISTORY THROUGH FILM

1/2 CREDIT

Grades 9, 10, 11, 12

Have you ever viewed a film and wondered about its historical accuracy? Are the people, places, and events historically correct? Or, have filmmakers distorted our view of the circumstances? This course will offer students an alternative method of exploring history - through film. We will evaluate the way film has depicted history and analyze the accuracies and inaccuracies portrayed in each film shown.

#### A028NL NEWS LITERACY

1/2 CREDIT

Grades 9, 10, 11, 12

In a time when we are constantly being bombarded with information, many find it difficult to judge the reliability and credibility of news sources. This course is designed to give students the skills to think critically about the news presented to them through print, television, and online sources. This course is offered with the support of the News Literacy Program at Stony Brook University. Students who wish to receive 3 college credits through SUNY Stony Brook can enroll with the University for a cost of \$300. The credits are transferable to any SUNY school.

#### A039RL RACIAL LITERACY IN SOCIETY

1/2 CREDIT

Grades 9, 10, 11, 12

The practice of racial literacy means to hear and appreciate diverse and unfamiliar experiences, recognize how to ask questions, view racial issues through a critical lens that recognizes current aspects of racism, and engage in difficult and awkward conversation. (Guinier) In this class, students will be taught: to hear and appreciate diverse and unfamiliar experiences, facilitate problem-solving, and create opportunities to discuss race issues.

#### A039RL2 RACIAL LITERACY IN SOCIETY II

1/2 CREDIT

Grades 9, 10, 11, 12

For students who wish to continue their studies in Racial Literacy in Society.

PREREQUISITE: Racial Literacy in Society

#### A039RL3 RACIAL LITERACY IN SOCIETY III

1/2 CREDIT

Grades 10, 11, 12

For students who wish to continue their studies in Racial Literacy in Society.

PREREQUISITE: Racial Literacy in Society II

## 125PH PHILOSOPHY I – INTRODUCTION TO PHILOSOPHY

1/2 CREDIT

Grades 9, 10, 11, 12

We are so busy today that we have forgotten some of the most basic questions facing humanity. Some of these questions include: Who am I? Who do I want to become? What is "happiness?" How did the universe come to be? Does God exist? These and many more questions are investigated over the course of a semester by examining the works of classical philosophers like Plato, Aristotle, and Lao Tzu, as well as contemporary "philosophers" like Jack Kerouac, Neale Donald Walsch, and the Dalai Lama. The beauty of this course is that it is not filled with incontrovertible truths. Your exciting and challenging task will be to decide what your truth is. According to Buddha, "It is you who must make the effort; the masters only point the way." Do you want to accept the ultimate challenge of creating a better you?

# 126PH PHILOSOPHY II – INTERMEDIATE PHILOSOPHY

1/2 CREDIT

Grades 10, 11, 12

Intermediate Philosophy allows students to continue exploring many of the philosophical topics that have fascinated people since the dawn of time, including the true nature of humans, mortality, and happiness, but to name a few. As with Introduction to Philosophy, students will be encouraged to apply many of the teachings to their lives in order to create positive change. Therefore, if Introduction to Philosophy captured your interest, then come ponder *many more* of life's unanswerable questions in Intermediate Philosophy! Please note that Introduction to Philosophy is a prerequisite for Intermediate Philosophy.

### 149PS ADVANCED PLACEMENT PSYCHOLOGY

1 CREDIT

Grade 11, 12

This demanding college level course is designed to demonstrate to the student how psychological methodology and theory may be used to understand and predict behavior. There will be a vast, extraordinary range of topics explored such as: intelligence, personality, psychological disorders, depression, stress management, neurotransmitters and behavior, sleep, memory improvement, drug addiction, prejudice, and the development of children. AP Psychology utilizes a college level text and is for students who would be challenged by an in-depth analysis of psychological theories and concepts. In order to get credit for this course, all students must successfully complete the course work and take the Advanced Placement exam.

# 149HG ADVANCED PLACEMENT HUMAN GEOGRAPHY

1 CREDIT

Grades 9, 10, 11

This demanding college level course is designed to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students will learn about the methods and tools geographers use in their science and practice, for example: using maps and spatial data, understanding the nature of relationships including how values, politics and economic constraints work to create cultural landscapes and define regions. In order to get credit for this course, all students <u>must</u> successfully complete the course work <u>and</u> take the Advanced Placement exam.

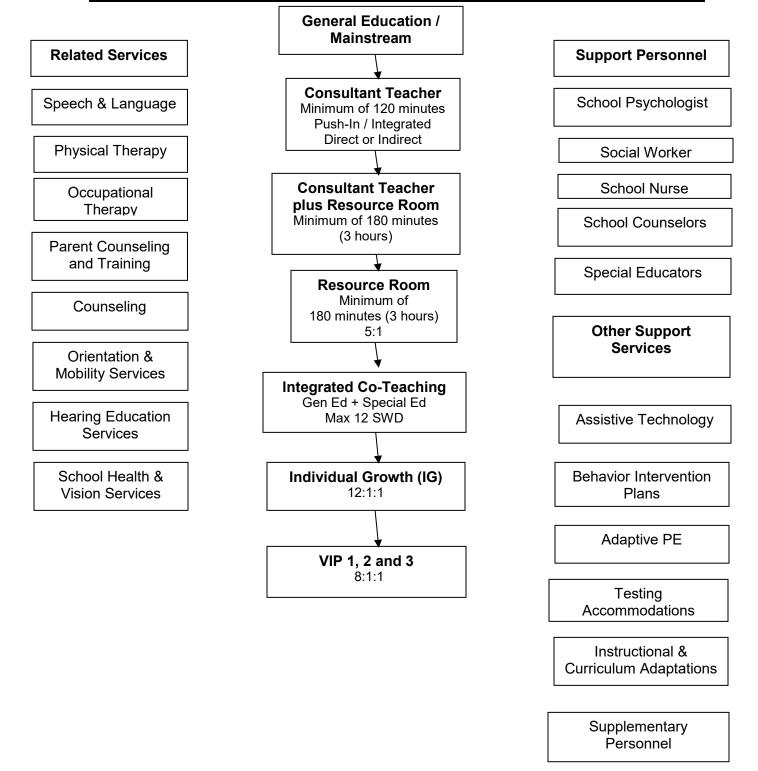
**143CJ** CRIMINAL JUSTICE AA (see course description on page 72)

**143SO SOCIOLOGY** AA (see course description on page 72)

143MI MAN'S INHUMANITY TO MAN AA (see course description on page 71)

# **HERRICKS PUBLIC SCHOOLS**

### CONTINUUM OF SPECIAL SERVICES FOR STUDENTS RECEIVING SPECIAL EDUCATION



\*\*Note: Decisions to provide Support and/or Related Services are made according to individual student needs.

Available Support and Related Services include, but are not limited to, those listed.

# **SPECIAL EDUCATION**

## **ENGLISH**

S010 S020 S030 S040	English 9* English 10* English 11* English 12*	1 Credit 1 Credit 1 Credit 1 Credit		
SOCIAL STUDIES				
S110 S120 S130 S140	Global Studies 9* Global Studies 10* United States History 11* Government and Economics*	1 Credit 1 Credit 1 Credit 1 Credit		
MATHEMATICS				
S210 S220 S230 S240	Mathematics 9* Mathematics 10* Mathematics 11* Mathematics 12*	1 Credit 1 Credit 1 Credit 1 Credit		
SCIENCE				
S355MB S315 S320 S330	Marine Biology* Physical Setting/Earth Science Regents* The Living Environment* Environmental Science*	1 Credit 1 Credit 1 Credit 1 Credit		
ADDITIONAL COURSES				
S888 RR	Resource Room Grades 9, 10, 11, 12	No Credit		
S840TS	Transitional Seminar Grade 12	1/2 Credit		
SGS9 SG10 SG11	Guided Study Grade 9 Guided Study Grade 10 Guided Study Grade 11	No Credit No Credit No Credit		

<sup>\*</sup>Approved by NCAA

### SPECIAL EDUCATION

## **Department Philosophy**

The Special Education Department of Herricks High School seeks to meet the needs of the exceptional student within the context of a diverse community of learners. The philosophy of the department holds that all students can realize their potential in the least restrictive environment when provided with the appropriate support. Our students are encouraged to challenge themselves academically and participate in a multitude of general education classes within the high school. The courses listed below refer to our Individual Growth (IG) classes and our special education support classes.

The Vocational Independence Program (VIP) consists of three age-based 8:1:1 special education classes that service our alternatively assessed 13- through 21-year-old students. The small student-centered program helps guide our students to become contributing members of society. VIP 1, 2 & 3 each work on functional academics, vocational skills and life skills. The program's main goal is for students to gain independence in all aspects of their lives. Our students begin working in our classrooms and school building and then develop skills to work at internships in the community. Community-based instruction, social skills and routines of daily living are the major tenants of the program.

# THE LIVING ENVIRONMENT REGENTS (IG) 1 CREDIT - 7 1/2 periods per week \* Recommendation Only for Grade 9 – Open to Grades 10-11

This lecture and laboratory course uses the methods of scientific inquiry to study the structure and function of representative living organisms. The biological concepts of genetics, evolution and ecology are also explored. This course culminates in the NYS Regents examination and is recommended through the CSE.

#### **ADDITIONAL COURSES**

# S888RR RESOURCE ROOM NO CREDIT Grades 9, 10, 11, 12

This program is available to students with a disability. It is designed to improve the individual student's study and organization skills, as well as develop the individual's learning strategies within the content areas. In the resource room, students will receive supplemental instruction to help them fulfill the requirements of their academic classes. Class size is limited to 5 students. This program is recommended through the Committee on Special Education.

# S840TS TRANSITIONAL SEMINAR 1/2 CREDIT Grade 12 (Alternate Day – full year)

This is a senior elective which addresses the transition needs of exiting students. Students will identify their learning and working styles, interests, strengths, preferences, and how they fit with particular careers. In addition, they will write resumes and prepare for the college application process. This course will be graded on a pass/fail basis.

SGS9 GUIDED STUDY NO CREDIT SG10 Grades 9, 10, 11

SG11 This class is available to students with a disability who require additional support in the content areas. Students will receive supplemental instruction to address their IEP goals through the content curriculum. Class size is limited to 15 students. The class is recommended through the committee on Special Education.

## STEM/TECHNOLOGY PATHWAYS

Computer Aided Design 1(1/2) & 2(1/2)

3D Design, 3D Printing, Prototyping, Product Design, Design for Manufacturing

Architectural Design(½)

Architecture Principles, Technical Drawing, Product Design, Architectural History, Model Making



Sketching, Technical Drawing, Graphic Design, Prototyping, 3D



World of Technology

1(1/2) & 2(1/2)

Prototyping, 3D Design, 3D Printing, Crafting, Tools & Materials, Circuits, Microcontrollers

Principles of Engineering (Full)

Simple Machines, Classic

Inventions, Physics & Engineering Concepts, Computer Computations

### STEM and TECHNOLOGY EDUCATION

How do we create a product or physical object out of nothing? In these STEM/Technology courses, you will learn the ultimate secret of taking your ideas to a finished product. These skills are sought after in the fields of biology, dentistry, surgery, prosthetics, architecture, engineering, aerospace, art, fashion, filmmaking (props) and many more. By taking all of the STEM/Technology courses, you will gain unique skills that will allow you to create anything you can imagine. **Design and Drawing for Production** fulfills the graduation requirement for 1 credit Art/Music and is an excellent place to start. In Design and Drawing, you will be exposed to different fields of study that might interest you. Once you know what you enjoy, you can proceed to other courses that take your passion and your skills to the next level.

#### **COURSES IN TECHNICAL DRAWING**

735AD+	Architectural Design	1/2 Credit
625CD+	Computer Aided Design & 3D Printing 1	1/2 Credit
625CD2+	Computer Aided Design & 3D Printing 2	1/2 Credit
615DD+	Design and Drawing for Production	1 Credit

#### **COURSES IN ENGINEERING**

725PE	Principles of Engineering	1 Credit
725W1+	World of Technology Part 1	1/2 Credit
725W2+	Word of Technology Part 2	1/2 Credit

<sup>+</sup>Available for selection by ninth graders

### 735AD ARCHITECTURAL DESIGN Grades 9, 10, 11, 12

1/2 CREDIT

In this course students will be introduced to the fundamental concepts of architectural design and construction. Students will learn the base skills needed to create precision technical drawings according to industry standards and specifications. The different architectural styles will be studied to build depth of knowledge. Students will design a detailed architectural model from start to finish. This will include sketching ideas, planning the project timeline, creating a virtual 3d model, making technical drawings, and finally crafting a scale model.

# 625CD COMPUTER AIDED DESIGN & 3D PRINTING 1

1/2 CREDIT

Grades 9, 10, 11, 12

3D design and modeling has become one of the most sought- after skills in a wide range of 21st century career fields. Students in this course will gain experience working with professional 3D modeling software. Most of the designing will be complete using the Solidworks 3D modeling program which is an industry standard for all types of engineering and design. Students learn how to create and manipulate objects according to technical drawings and specifications. The full manufacturing design process, from idea to final product will be practiced as student designs will be 3D printed.

### 625CD2 COMPUTER AIDED DESIGN & 3D PRINTING 2

1/2 CREDIT

Grades 9, 10, 11, 12

In this second course of the computer aided design sequence students expand their 3D modeling skills into more creative and unique designs. The full design for manufacturing process will be practiced as students take into account efficiency, function, compliance, sustainability, simplicity, affordability and safety of their designs. Students will also train specifically to pass the Certified SolidWorks Associate Exam and receive a professional certificate for their resume. This is a common requirement for a wide range of engineering majors and is often one of the first level courses taken.

PREREQUISITE: Computer Aided Design and 3D Printing 1

### 615DD DESIGN AND DRAWING FOR PRODUCTION

1 CREDIT

Grades 9, 10, 11, 12

The ability to communicate ideas visually is a skill needed in a wide range of fields. This course aims to use the engineering design process to plan, prototype, create and present creative bodies of work. Students receive the opportunity to preview many different skills and disciplines which are then focused on in more detail in each of our other technology electives. This includes free hand sketching, technical drawing, 3D design, product design, architecture, crafting tools and materials. Overall it is a course on creativity and how to stretch our ideas to their limits. Successful completion of this course meets the fine and performing arts requirement for graduation.

# 725PE PRINCIPLES OF ENGINEERING

1 CREDIT

Grades 10, 11, 12

This course aims to apply the fundamental concepts of physics to solve engineering problems. Core concepts such as forces, Newton's Laws of motion, momentum and energy conservation are introduced through hands-on laboratory investigations. Students will take experimental measurements and analyze data to highlight the underlying physical principles. The history of engineering and specific inventions will also be a focus of this course. \*\*Successful completion of this course provides 2 college credits to SUNY Farmingdale and their Mechanical Engineering Technology Department (MET 109)

PREREQUISITE: One Year of Regents Science <u>and</u> Integrated Algebra; Design and Drawing for Production

#### 725W1 WORLD OF TECHNOLOGY 1

1/2 CREDIT

Grades 9, 10, 11, 12

Technology is constantly evolving to and creating the world we live in. Studying the new and upcoming technologies of the 21st century will put students in this course in a position to be ready for the next breakthrough. Students will work with a range of tools, materials and resources to create custom projects. After being introduced to concepts such as hydraulics, aerodynamics or circuits, students will look to apply their new knowledge to a personal creative work. 3D design and 3D printing is used as another resource to help bring their ideas to life. There is a major focus on craftsmanship and design.

## 725W2 WORLD OF TECHNOLOGY 2

1/2 CREDIT

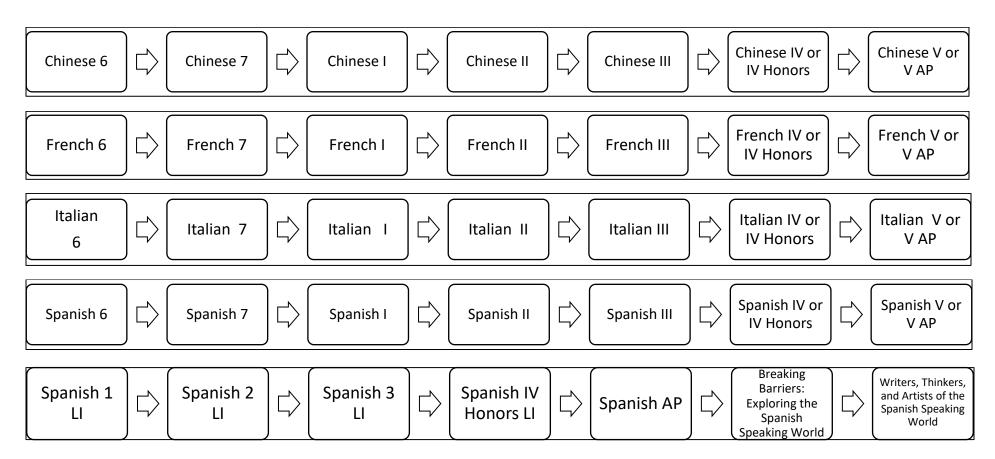
Grades 9, 10, 11, 12

This is the second course in the World of Technology sequence. Students look to build on the knowledge and skills gained in World of Technology 1 to design and create more unique solutions to problems presented to them. Students will learn how to design electrical circuits and code microcontrollers to advance the complexity of their solutions. We will learn how to control various electrical components such as LEDs, motors, sensors and actuators. The course ends with students applying all of their gained skills to create a solution to a real-world problem. This capstone style project includes the iterative process of planning, design, prototyping, creating a final product and presenting the results. \*\*Successful completion of this two-course sequence provides 3 college credits to SUNY Farmingdale and their Mechanical Engineering Technology Department (MET 202)

PREREQUISITE: World of Technology 1

# 2024-2025 World Language Sequence

"Monolingualism Can Be Cured"



### Please note the following:

- All students, with rare exceptions, must successfully complete a language sequence up to Language III and pass a Checkpoint B assessment
- Language 6, 7, and I (grade 8) are offered at HMS.
- Language II, III, IV, IV H, V, V AP are offered at HHS. Spanish I is offered at HHS for new entrants to the district, with no prior language experience, or for those that wish to study an additional language.
- Spanish LI courses are for those students in the Spanish language Immersion Program or by placement by the Director.
- Juniors, Seniors and LI Students may opt to take courses at the IV, V, IV Honors, and V AP level for college credit through Stony Brook University.
- The NYS Seal of Biliteracy is available to Seniors who meet the criteria and are enrolled in a grade 12 WL course.

### WORLD LANGUAGES

## **Department Philosophy**

"Monolingualism Can Be Cured!" Through the learning of languages, we build on and affirm cultural, linguistic, intellectual and personal identities. Knowledge of several languages empowers individuals by opening economic and social opportunities. It promotes tolerance and diversity as well as solidarity within our local and global community. Language learning allows us to bridge cultural barriers and promote ways of interpreting our diverse world while stimulating intellectual curiosity. To recognize those students with high levels of proficiency, the NYS Seal of Biliteracy is available to Seniors who meet the criteria in English and a language other than English. The criteria will be shared in their Senior level world language course.

**Please note**: All students enrolled in a world language course must complete a digital portfolio to demonstrate proficiency growth over the year.

#### THERE ARE NO PASS/FAIL OPTIONS IN ANY OF THE LEVELS 1, 2 AND 3 COURSES.

Please note: District policy states that all students, with rare exceptions, are required to take up to and pass a Level 3 World Language course and a Checkpoint B assessment.

# 415 SPANISH 1 [411 French 1]; [413 Italian 1]; [414 Chinese 1] 1 CREDIT Grades 9, 10, 11, 12

\* Emphasis is on all the basic communication skills simultaneously: listening, speaking, reading and writing. Specific topics within each of the themes of Personal ID/Social Relationships, Communication/Science/Technology, The Arts, Global Awareness, and Contemporary Life, will be addressed. All themes are studied in each year of world language study, but the specific topics will increase in complexity each year to help increase students' fluency with their chosen language. Students must master the following skills: comprehend simple statements and questions; initiate and respond to simple statements; engage in simple face-to-face conversations; understand simple material for informative or social purposes; express basic personal needs and compose messages on very familiar topics. The Checkpoint A assessment may be offered at the completion of this course.

# 422 CHINESE 2; [421 FRENCH 2]; [423 ITALIAN 2]; [425 SPANISH 2] 1 CREDIT \* Grades 9, 10, 11, 12

In this course, students continue the work which will lead to the completion of the 3-year sequence. Specific topics within each of the themes of Personal ID/Social Relationships, Communication/Science/Technology, The Arts, Global Awareness, and Contemporary Life, will be addressed. All themes are studied in each year of world language study, but the specific topics will increase in complexity each year to help increase students' fluency with their chosen language. Instruction is expanded here to support students in their efforts towards fluency. Students are expected to show more ability to understand and produce the target language. There is a department Integrated Performance Assessment at the end of the course.

PREREQUISITE: Respective Language 1

#### 446 SPANISH 4 HONORS LANGUAGE IMMERSION AA

1 CREDIT

1 CREDIT

## Grade 9 Language Immersion Students

This course is the prerequisite for AP Spanish Language and Culture. As such the course will prepare students for the expectations of the AP course. Students will be expected to increase their level of language use over the course of the year, through authentic texts and challenging assignments. Spanish 4H promotes both fluency and accuracy in the context of developing strong communications skills. Students will learn about various topics within the six AP themes: Science and Technology, Global Challenges, Contemporary Life, Personal and Public Identities, Family and Communities, and Beauty and Aesthetics. This course is taught entirely in Spanish. There is a department Integrated Performance Assessment at the end of the course.

PREREQUISITE: Herricks Language Immersion Program

# 432 CHINESE 3; [431 FRENCH 3]; [433 ITALIAN 3]; [435 SPANISH 3] \* Grades 10, 11, 12

This course completes the three-year world language sequence. Students must master the following skills: comprehend short conversations on simple topics in everyday situations and sustain comprehension through contextual inferences in short communications on familiar topics with native speakers. Students can initiate and sustain a conversation. Students can understand simple notes, letters and reports using more advanced vocabulary and commonly encountered structures. This course culminates with the FLACS Checkpoint B exam, offered through the New York State Association of World Language Administrators (NYSAWLA).

PREREQUISITE: Respective Language 2

Please note that 11<sup>th</sup> and 12<sup>th</sup> grade students have the opportunity to earn three college credits, in addition to high school credit, for the following Level 4/4 Honors and 5/5 AP World Languages courses in Chinese, French, Italian, and Spanish. Our post AP Spanish courses for Language Immersion are not available for college credit at this time.

#### 442 CHINESE 4 AA

1 CREDIT

#### Grades 11, 12

In this course, students will continue to explore Chinese language and culture with authentic materials in print and via Internet resources. The four skills of speaking, reading, writing, and listening will be further developed via multi-sensory activities to meet individual student needs in a comfortable and dynamic learning environment. The teacher facilitates the process of language acquisition by providing guided activities that allow the integration of language, culture and content. Traditional and non-traditional assessments are woven throughout the course. The goal of the Chinese 4 curriculum is to develop student proficiency in Mandarin Chinese at a level where they can communicate effectively in a variety of situations. Students will also deepen their understanding of, and appreciation for, Chinese culture, history and current events. There is a department Integrated Performance Assessment at the end of the course.

PREREQUISITE: Chinese 3

#### 441 FRENCH 4: 🗚

1 CREDIT

#### Grades 11, 12

The society in which we live has been influenced linguistically, historically, philosophically, artistically, and in so many other ways by the French language and the rich cultural diversity of the French-speaking world. This course aims at presenting this rich heritage through themes to bring the language and culture alive. It provides students with opportunities for critical thinking, independent work, cooperative activities, and creative projects while increasing fluency and accuracy. Their goal is to become lifelong learners with a global perspective that will continue to fuel their interest in other cultures. There is a department Integrated Performance Assessment at the end of the course.

PREREQUISITE: French 3

#### 443 ITALIAN 4 🗚

1 CREDIT

#### Grades 11, 12

This is an exciting course designed for those students of Italian who continue to hone their speaking, listening, reading, and writing skills in the language. The needs and interests of students inform the choice of thematic units and discussion points throughout the year. The themes discussed in this course include, but are not limited to, a survey of regional cuisine; a history of art from Giotto to Modigliani; the fables and poetry of Italo Calvino and Gianni Rodari; and a virtual tour of the Belpaese (without the jetlag!) There is a department Integrated Performance Assessment at the end of the course.

PREREQUISITE: Italian 3

#### 445 SPANISH 4 ▲▲

1 CREDIT

#### Grades 11, 12

This course is designed to empower students with the language skills and cultural insights necessary for advanced communication and appreciation of the Spanish-speaking world. In this course, students will deepen their understanding of the Spanish language and culture by exploring three thematic units: Contemporary Life, Beauty and Aesthetics and Science and Technology. Through these themes, it enhances a student's language proficiency while delving into real-world topics, incorporating authentic materials and integrating performance assessments to develop communication skills. There is a department Integrated Performance Assessment at the end of the course.

PREREQUISITE: Spanish 3

### 445HR SPANISH 4 HONORS [E442HR CHINESE 4 H]; [E441HR FRENCH 4 H];

## \* [E443HR **ITALIAN 4 H**] AA

1 CREDIT

#### **Grades 11, 12**

This course is the prerequisite for AP Chinese/French/Italian/Spanish Language and Culture. As such the course will prepare students for the expectations of the AP course. Students will be expected to increase their level of language use over the course of the year, through authentic texts and challenging assignments. The 4H course promotes both fluency and accuracy in the context of developing strong communications skills. Students will learn about various topics within the six AP themes: Science and Technology, Global Challenges, Contemporary Life, Personal and Public Identities, Family and Communities, and Beauty and Aesthetics. This course is taught entirely in Chinese, French, Italian, or Spanish. There is a department Integrated Performance Assessment at the end of the course.

PREREQUISITE: A+/A in Level 3 and teacher recommendation

# 452 CHINESE 5/CHINESE 5 AP: CHINESE LANGUAGE AND CULTURE 1 CREDIT \* Grade 12

This course is equivalent to a fourth semester college or university course in Mandarin. It prepares students to demonstrate their proficiency in Chinese across the three communicative modes: interpersonal, interpretive, and presentational. Students will learn about various topics within the six AP themes: Science and Technology, Global Challenges, Contemporary Life, Personal and Public Identities, Family and Communities, and Beauty and Aesthetics. Only authentic texts and other resources will be used. This course is taught entirely in Chinese. Chinese 5 culminates in an Integrated Performance Assessment. If enrolled in the AP course, students are required to take the Advanced Placement (AP) exam in May. This course may not be taken pass/fail.

PREREQUISITE: Chinese 4

# 451 FRENCH 5/FRENCH 5 AP: FRENCH LANGUAGE AND CULTURE AA 1 CREDIT \* Grade 12

This course takes a holistic approach to language proficiency and recognizes the complex inter-relatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies and cultural awareness. Students will be immersed in an exploration of culture in both contemporary and historical contexts. Students will learn about various topics within the six AP themes: Science and Technology, Global Challenges, Contemporary Life, Personal and Public Identities, Family and Communities, and Beauty and Aesthetics. Only authentic texts and other resources will be used. This course is taught entirely in French. French 5 culminates in an Integrated Performance Assessment. If enrolled in the AP course, students are required to take the Advanced Placement (AP) exam in May. The AP course may not be taken pass/fail.

PREREQUISTE: French 4

# 453 ITALIAN 5/ITALIAN 5 AP: ITALIAN LANGUAGE AND CULTURE AA 1 CREDIT \* Grade 12

This course is designed for those students who wish to further their appreciation of the Italian culture as they continue to perfect their communication skills in Italian. The themes and issues studied throughout the year are intended to foster discussion that is relevant to the needs and interests of these advanced students. Students will learn about various topics within the six AP themes: Science and Technology, Global Challenges, Contemporary Life, Personal and Public Identities, Family and Communities, and Beauty and Aesthetics. Only authentic texts and other resources will be used. This course is taught entirely in Italian. Italian 5 culminates in an Integrated Performance Assessment. If enrolled in the AP course, students are required to take the Advanced Placement (AP) exam in May. The AP course may not be taken pass/fail.

PREREQUISITE: Italian 4

## 455 SPANISH 5 AA

1 CREDIT

Grade 12

In this course, students will continue to build on their language skills and cultural awareness to achieve a high level of proficiency in Spanish. Students will immerse themselves in authentic materials and integrated performance assessments that will challenge their communication skills in the language. Students will explore the Spanish-speaking world through three thematic units: Personal and Public Identities, Families and Communities and Global Challenges. There is a department Integrated Performance Assessment at the end of the course.

PREREQUISITE: Spanish 4

### 455AP SPANISH 5AP: SPANISH LANGUAGE AND CULTURE

1 CREDIT

Grade 12 and Grade 10 Language Immersion Students

In this course, students will study a variety of topics from within the six AP themes: Science and Technology, Global Challenges, Contemporary Life, Personal and Public Identities, Family and Communities, and Beauty and Aesthetics. Students will be expected to communicate in Spanish in a wide range of reading, listening, speaking, and writing activities both individually and in various groupings. They will be immersed in an exploration of culture in both contemporary and historical contexts from across the many Spanish-speaking countries in the world. Only authentic texts and other resources will be used. This course is taught entirely in Spanish. Students enrolled in this course are required to take the Advanced Placement (AP) exam in May. This course many not be taken pass/fail.

PREREQUISITE: Spanish 4 Honors or Spanish 4H Language Immersion

# BREAKING BARRIERS: EXPLORING THE SPANISH SPEAKING WORLD A 1 CREDIT Grade 11 Language Immersion Students or Director Recommendation

This honors level course explores the people of the Spanish-speaking world through film, literature, art, media, and entertainment. Students in this course will be exposed to the historical and cultural perspectives presented through these media/texts to provide them with a deeper understanding on how history and culture have shaped the Spanish-speaking world of today. Advanced grammar will be a focus to sophisticate and improve spoken and written forms through the modes of communication. Students can share their point of view in discussions on complex cultural and historical issues in detail and in an organized way about events and experiences in various time frames. There is a department Integrated Performance Assessment at the end of the course. College credit is not available for this course at this time.

PREREQUISITE: AP Spanish Language & Culture.

# E465 WRITERS, THINKERS, AND ARTISTS OF THE SPANISH SPEAKING WORLD AA

1 CREDIT

#### Grade 12 Language Immersion Students or Director Recommendation

This honors level course will explore the artists, writers and thinkers of the Spanish speaking world. A special emphasis will be placed on literature, and students will read a number of representative works in prose, drama, and poetry. Art, film, culture, and history (social and political) will be included in any discussion on literary texts in order to provide additional context. Frequent short, critical essays will provide students with practice in writing. Advanced grammar will be taught to help with accuracy in communication. This course is open to Spanish language immersion students and those students with demonstrated native-like abilities. There is a department Integrated Performance Assessment at the end of the course. College credit is not available at this time for this course.

PREREQUISITE: Breaking Barriers: Exploring the Spanish Speaking World

### WORLD OF WORK/VOCATIONAL EDUCATION

# BOCES BOARD OF COOPERATIVE EDUCATIONAL SERVICES Grades 11, 12

Vocational Education programs provide students with the opportunity to learn handson skills in a variety of career areas. Students learn from instructors who have been in the world of work. Students acquire valuable skills that they can use to give them a head start on a long-term career goal. Each program is designed to help students learn marketable skills in order to enter the work force or to prepare for further education.

Students attending vocational programs spend four periods of the school day at Herricks enrolled in required academic classes and the rest of the school day at the vocational center. Programs are available in both the morning and afternoon. Transportation to the vocational center is provided by the school district. Students earn four credits each year toward fulfilling their diploma requirements. These programs are generally two years in length.

Students interested in pursuing a vocational program should speak to their counselor by December of the tenth grade year, in order to plan their program. All Barry Tech/LIHSA CTE courses meet the NYS required elements to be approved for high school credits.\* <a href="https://www.nassauboces.org/Page/8753">www.nassauboces.org/Page/8753</a> The following vocational and technical programs are available to Herricks students. Courses with an asterisk (\*) qualify for CDOS credential/Pathway in addition to CTE:

#### **BOCES\***

- Animal Care\*
- Animal Care Skills\*
- Animation Media & Digital Media
- Animation Media & Digital Media Skills
- Audio Production
- Auto Collision Technician\*
- Automotive Skills\*
- Automotive Technology\*
- Aviation Operations\*
- Barbering Technician\*
- Carpentry\*
- Child Care Skills\*
- Computer Game Design and Programming\*
- Computer Game Design/ Programming Skills\*
- Computer Technology\*
- Construction Electricity\*
- Construction Trades
- Construction Trades Skills
- Cosmetology\*
- Culinary Arts\*
- Culinary Arts Skills\*
- Dental Assisting\*
- Early Childhood Education\*

- Fashion Design Technology & Merchandising\*
- Health Care Skills\*
- Horse Science and Management\*
- Horse Science and Management Skills
- HVAC/Plumbing\*
- Medical Assisting\*
- Network Cabling Technician/ Home Technology Integration
- Nurse Assisting\*
- Office Assistant Skills
- Personal Trainer and Exercise Medicine\*
- Physical Therapy Aide and Rehabilitation Medicine\*
- Plant Science & Landscape Design
- Police Science & Criminal Justice\*
- Power Sports & Engine Repair\*
- Retail Skills
- Veterinary Science\*
- Video Production & Digital Filmmaking\*
- Welding\*

<sup>\*</sup>For more information or on classes that qualify for CDOS credential, visit <a href="https://www.nassauboces.org/Page/8909">www.nassauboces.org/Page/8909</a>

<sup>\*</sup>For more information on courses, visit www.nassauboces.org/Page/1652

### SPECIAL PROGRAMS

# STAC STAC (Student Theatre Arts Company) Grades 9, 10, 11, 12

2.5 CREDITS

STAC (Student Theatre Arts Company) is a multi-disciplinary arts program which meets three periods a day, five times a week. STAC students will develop skills and create work across multiple disciplines in the fine and performing arts, including art, music, dance, drama, filmmaking, and creative writing. STAC students will work individually, as an ensemble, and in collaboration with professional artists in workshop settings. Students will engage with the broader world of the arts through film studies, trips to art museums, and live theatre and dance performances. All STAC students have dedicated fine arts classes (STAC Art) on alternate days. Admission to STAC is based on auditions and portfolio submissions. Successful completion of this course will fulfill the New York State graduation requirement in Art/Music.

#### **SEQUEST**

The Quest Program allows students in AP courses to choose an alternative to the traditional school day. After completing AP exams, students will be excused from AP classes to pursue an academic or creative project of personal interest. All students (10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grade) enrolled in AP courses that do not culminate in a Regents exam will participate in the Quest program. Students who are enrolled in one or two AP courses will complete an Independent Study Project or seminar. Students who are enrolled in three or more AP courses may choose to complete an Independent Study Project, a seminar or may participate in an Internship. All the participants will be required to meet each week with their assigned faculty mentor and to complete a daily log of activities and journal. At the conclusion of the program, the participants will make a formal presentation to a panel of faculty and students. The final grade on the Quest Program will count toward 20% of the 4<sup>th</sup> Quarter grade in each of the student's AP classes.

#### SPANISH LANGUAGE IMMERSION PROGRAM

The Spanish Language Immersion Program is a fully articulated K-12 content and language program that assists students in reaching near-native proficiency in the Spanish language. The majority of the students are not native speakers of Spanish; they have committed themselves to the goals of the program and have been part of the program since elementary school. At different points in their K-12 experience, students are taught the content of Math, Science, Social Studies, and literacy in Spanish, without any translation. Their performance on state and national assessments is on par, and at times exceeds performance, when compared to students who take the same courses/assessments, but in English. Language immersion students are not placed in typical world language sequence courses; when language immersion students begin their formal study of a world language class in grade six, they begin the study of the AP Spanish Language & Culture themes. However, those themes are carefully selected to address their social, emotional, and cognitive development as middle school learners. Students take the AP Language & Culture Exam in grade ten and are then provided with advanced Spanish courses in grades eleven and twelve that are based on 300 level college courses. The 11th and 12th grade Spanish courses are similar to those that majors and minors take at the university level. It should be noted that the program has been recognized by NYSED as a model of excellence. It is the only such language immersion in New York State that is a fully articulated K-12 program.

## STUDENT SERVICE

# 950LMC LMC STUDENT LIT PICKS AA Grades 9, 10, 11, 12

1/2 CREDIT

Calling all readers! The Library Media Center is looking for students to review, recommend, and promote books of all genres to the rest of the school. Students who take this course will read books of their choice and create promotions and buzz for books through reviews, posters, displays, the LMC's website, and the morning announcements. Reading builds vocabulary, fluency, and background knowledge while reviewing books provides a focal point for deeper thinking and an avenue through which to share those thoughts in a brief and accessible way. This program offers a way to connect students with our LMC's book collection, the school community, and the work of a Library Media Specialist.

### STUDENT ACTIVITIES

Herricks High School prides itself on the many and varied extra-curricular activities available to students. Every student deserves the opportunity to develop a "niche" for himself/herself. We strongly encourage students to become active and involved members of the school community.

- Academic Quiz Bowl
- Amnesty International
- Animal Rights
- Art Club
- Asian-American Cultural Society
- Black Student Union
- Book Club
- Choir Club/Men's/Women's
- Christian Fellowship Club
- Club Forum (Chess, Speed Cubing, Video Gaming)
- Coding Club
- Community Club
- Cultural & Language Clubs (Chinese, French, Greek, Italian, Korean)
- Dance Repertory Club
- Dance Theatre Club
- D.E.C.A.
- Environment Club
- Ethics Club
- Euro Challenge Club
- Freshman Class
- Future Medical Frontiers
- Garden Club
- Gay/Straight Alliance
- Great Outdoors Club
- Habitat for Humanity
- HICAP (Herricks Int'l Children's Aid Program)
- HMUNC (Herricks Model United Nations)
- Highlander
- Historical Research Club National History Day
- International Thespian Society

- Jazz Band
- Jazz Band 9
- Jazz Choir
- Junior Class
- Justice League
- Literature Club
- Mathletes
- Mindfulness & Meditation
- Mock Trial
- Music Lovers Club
- Muslim Student Association
- National Honor Society
- Pep Band
- Robotics Club
- Rube Goldberg Club
- S.A.D.D.
- School Store
- Science Olympiads
- Senior Class
- SMYL (Students Mentoring Young Learners)
- SOLAS Club
- Sophomore Class
- South Asian Student Association
- Sports Forum/Table Tennis
- Stem Club
- Stress Management
- Student Government
- Tri-M Honor Society
- TV Studio/Broadcasting Club
- WAC (World Affairs Club)/Model Congress
  - Woman Warriors
- Yearbook
- YAC (Youth Against Cancer)