



HERRICKS HIGH SCHOOL



COURSE SELECTION GUIDE

2021-2022

**“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

2021-2022

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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



**Education Today
Knowledge Forever**

Herricks High School

Joan Keegan, Principal
jkeegan@herricks.org

Andrew Frisone, Assistant Principal
afrisone@herricks.org

Bryan Hodge, Assistant Principal
bhodge@herricks.org

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Dear Herricks High School Students:

This publication of the 2021-2022 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 21st century skills of critical thinking, collaboration, communication, and creativity.

Please note that the 2021-2022 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 2021-2022 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 21st century.

Sincerely yours,

Joan Keegan.
Principal

GRADUATION REQUIREMENTS

Local Diploma Required Courses Special Education Students Only		Regents Diploma Required 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 <u>or</u> Chemistry <u>or</u> 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)

* 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).

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

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

COURSES THAT MAY BE USED TOWARD FULFILLING THE CAREER DEVELOPMENT AND OCCUPATIONAL STUDIES CREDENTIAL or CDOS

To earn a CDOS credential, students must complete 216 hours of CTE coursework. Fifty-Four (54) of those hours must be completed in a work-based learning experience.

Nassau BOCES Programs

Herricks Courses:

Business

Career and Financial Management
Keyboarding for College and Career
Accounting 1
Business Management
International Business
Principles of Marketing
Business and Personal Law
Virtual Enterprise
Cooperative Work Experience
Advertising Design and Computer Graphics

Technology

Architectural Design
Computer Aided Design and Drafting
Design and Drawing for Production
Principles of Engineering
World of Technology 1
World of Technology 2

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 2021-2022 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

Subject

1. English
2. Social Studies
3. Math
4. Science
5. Phys. Ed. /Lab
6. Language
7. Lunch
8. Art/Music
9. Elective

OR

GRADE 10

Subject

1. English
2. Social Studies
3. Math
4. Science
5. Phys. Ed. /Lab
6. Language
7. Lunch
8. Art/Music or elective if requirement is completed
9. Elective (one semester) and Health (one semester)

GRADE 11

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)
8. Elective (optional)
9. Elective (optional)

GRADE 12

Subject

1. English
2. Social Studies
3. Phys. Ed.
4. Lunch
5. Elective
6. Elective
7. Elective (optional)
8. Elective (optional)
9. Elective (optional)

ENROLLMENT IN ADVANCED PLACEMENT (AP) LEVEL CLASSES

Students who are enrolled in an AP level class are required to complete the AP examination in May. 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 test for an AP exam that is not offered through the district. Each individual test will require a fee. This fee is determined by The College Board each year and is subject to increase.

OPPORTUNITY TO EARN COLLEGE CREDITS

BUSINESS

Accounting; Business Management; Principles of Marketing; Business Law; 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

WORLD LANGUAGES

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

POTENTIAL COLLEGE ATHLETES ONLY

- * Denotes courses approved by the NCAA Initial-Eligibility Clearinghouse for use as core courses. All potential athletes, for participation in Division I and II athletics, must complete 16 core courses.
- ** Denotes new courses that are presently under consideration for approval.
- *** Denotes NCAA courses given over a year and a half (1 1/2 credits) but receiving only one core credit.
- ~ Denotes NCAA courses given over one year (1 credit) but receiving only one-half core credit.
- ~~ Denotes NCAA courses given over one year (1 credit) but receiving only three-quarters core credit.
- **** Denotes special consideration given by NCAA Clearinghouse.

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 No Record Kept	Yes No Record Kept	Yes with WP/ WF Designation	No Withdrawals

	10 Weeks	15 Weeks	After 15 Weeks
Half - Year	Yes No Record Kept	Yes With WP/WF Designation	No Withdrawals

ART DEPARTMENT

Related Arts & Business Department Philosophy

The Art Department encompasses a wide variety of disciplines and knowledge – art, business, home and careers and technology education. The courses allow students to expand and explore their interests. Whether it's creating a robot, a self-portrait, a gourmet meal or an advertising campaign, students are able to put their ideas to life and see tangible results.

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.

SURVEY COURSES RECOMMENDED FOR ALL STUDENTS

615SA+	Studio in Art	1 Credit
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FINE ARTS COURSES

625DP	Drawing and Painting 1	1 Credit
635DP	Drawing and Painting 2	1 Credit
645DP	Drawing and Painting 3	1 Credit
645PW	Portfolio Workshop (Fall Semester Only)	1/2 Credit
649SA	Advanced Placement Studio Art	1 Credit

RELATED ARTS COURSES

625PD	Digital Photography	1/2 Credit
625F1	Fashion Illustration 1	1/2 Credit
625F2	Fashion Illustration 2	1/2 Credit
635FM	Introduction to Filmmaking	1/2 Credit
625P1+	Photography 1	1/2 Credit
625P2	Photography 2	1/2 Credit
635P3	Photography 3	1/2 Credit
625T1+	TV Studio Techniques	1/2 Credit
625T2+	TV Studio Broadcasting	1/2 Credit
625SB+	TV Studio Sports Broadcasting	1/2 Credit
625TVL+	TV Studio Lab	1/2 Credit
625AA	Advertising Design and Computer Graphics (also listed under Business courses)	1/2 Credit

THREE-DIMENSIONAL EXPERIENCES

615C1+	Ceramics & 3D Sculptural Design	1/2 Credit
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ART PORTFOLIO PREPARATION COURSES

645PW	Portfolio Workshop (Fall Semester Only)	1/2 Credit
649SA	Advanced Placement Studio Art	1 Credit
649PH	Advanced Placement Studio in Photography/2D Design	1 Credit

+Available for selection by ninth graders.

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 media. Exploration of creative expression, personal and collaborative work, and analysis of student artwork and art history, are all segments students will be exposed to. With no charge required, 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.

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 BROADCASTING**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 to black and white photography. Students will learn how to see the world through the camera and to develop a language of photography as an image-making medium. 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 35mm cameras.

COURSES OPEN TO TENTH GRADERS**625AA ADVERTISING DESIGN AND COMPUTER GRAPHICS ▲▲****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.

625PD DIGITAL PHOTOGRAPHY**1/2 CREDIT****Grades 10, 11, 12****This is a full-year, every other day course**

This course is designed as a hands-on introduction to digital photography. Basic digital tools, vocabulary and techniques will be emphasized and discussed throughout the course. Students will learn how to use Adobe Photoshop, Adobe Lightroom and Adobe Illustrator to create dynamic imagery. Projects include: Color Retouching, Double Images, Shapes, Macro, Motion, Ghost and Light photography. Students may use any type of camera (camera phones are acceptable). 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 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 is a full-year, every other day course**

This half-year course will enable students to understand, analyze and draw the female and male fashion figure, both front and turned views. Garment details, silhouettes, and color theory will allow students to communicate their original design ideas by way of the fashion sketch. Presentation, marker, and color pencil techniques will be demonstrated. Students will be designing and creating their final design on a mannequin, using cloth and other found materials. Fashion history and trends will be considered in all work. This course integrates STEAM disciplines (Science, Technology, Engineering, Art, Math) while meeting current fashion industry standards. 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****This is a full-year, every other day course**

Students in this class will focus on new techniques for the development of textile design, and the creation of coordinated accessories will be incorporated into project assignments. Technical aspects of layouts and flats will be introduced, as well as advanced fashion figure views. Design independence will emerge as students are challenged with the application of merchandising and marketing techniques. The development of modern fashion, as well as apparel lines for men and children, will be considered. Current fashion industry standards will be met. 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 course deals with photographic theory and technique at a more advanced level. Projects may include motion solarization, hand tinting, superimposition, outdoor photography with filters, photography with artificial illumination, and manipulated photo images using Adobe Photoshop. Student work will culminate in a series of photos on a single subject. Students will go on at least one field trip to learn how to shoot on location.

PREREQUISITE: Photography 1

COURSES OPEN TO ELEVENTH GRADERS**635DP DRAWING AND PAINTING 2****1 CREDIT****Grades 11, 12**

This full-year course is designed as an advanced study in drawing and painting with in-depth 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 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. 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 two-dimensional 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” or concentration 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 organize and participate in an exhibition of the work. 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, 3; portfolio review and/or teacher recommendation

BUSINESS EDUCATION DEPARTMENT

Career and Financial Management and Business Management are required as the foundation courses in Business. Business Education courses are designed to serve the needs of all Herricks students, and include 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).

<u>COURSE TITLE</u>		<u>GRADE</u>				<u>CREDIT</u>
		9	10	11	12	
515CM	Career & Financial Management	X	X			1
515KE	Keyboarding and Computer Applications	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
G545VE	Virtual Enterprise			X	X	1
535WE	Cooperative Work Experience (Also listed under Family & Consumer Science)			X	X	1/2 – 1
625AA	Advertising Design and Computer Graphics (Also listed under the Art Department)	X	X	X	X	1/2

- 515CM CAREER AND FINANCIAL MANAGEMENT AA 1 CREDIT**
Grades 9, 10
 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 AND COMPUTER APPLICATIONS AA 1/2 CREDIT**
Grades 9, 10, 11, 12
 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 1 CREDIT**
Grades 10, 11, 12
 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 1 CREDIT**
Grades 10, 11, 12
 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. Students have an opportunity to earn three college credits through SUNY Farmingdale in addition to high school credit.
- 535BL BUSINESS AND PERSONAL LAW AA 1 CREDIT**
Grades 10, 11, 12
 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.
- 535WE COOPERATIVE WORK PROGRAM AA 1/2 CREDIT - 1 CREDIT**
Grades 11, 12
 This course gives students the opportunity to potentially earn money and school credit at the same time. The program is designed to encourage students to develop and demonstrate their skills in a given area within the community. Individual career goals are analyzed and considered before job placement 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; and elementary schools, just to name a few. Regularly scheduled meetings with the Co-op Work Coordinator are required. Credit is determined by the number of hours of supervised work study completed. A maximum of one credit may be earned in any one academic year and a total of two credits may be earned overall. If a student has a completely full schedule, please see the guidance counselor to sign up for this program. 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 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 enables qualified juniors and seniors to earn 6 college credits through Farmingdale State College’s University in the High School program.

PREREQUISITES: Junior or Senior class standing.

HERRICKS SECONDARY ENGLISH 2021-2022

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. or English 11	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*

**Admission by Invitation Only*

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

Creative Writing Cinema Studies One Basics of Journalism Public Speaking Verbal Reasoning	Advanced Creative Writing Cinema Studies Two Advanced Journalism Debate News Literacy Racial Literacy in Society
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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.

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.

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.
- 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.
- 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 ▲▲ 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 ▲▲ 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 ▲▲ 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 ▲▲ 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.

025JR BASICS OF JOURNALISM 1/2 CREDIT
*** Grades 10, 11, 12**

Students in the class will have the opportunity to write and publish articles for the school newspaper. The course of study will include the writing of news stories, editorials, movie and book reviews, feature stories as well as a working knowledge of newspaper production. Students will use both the writing process and their computer skills to further develop their understanding of journalism.

025AJ ADVANCED JOURNALISM 1/2 CREDIT
*** Grades 10, 11, 12**

In Advanced Journalism, students will further develop their newspaper skills. The course of study will include further development of the units in Basics of Journalism as well as interviewing techniques, investigative reporting, and layout design. Students will be able to further improve their writing skills by applying the writing process learned in other places to newspaper writing. Students in this class will have the opportunity to write and publish articles for the school newspaper.

- 015PS * PUBLIC SPEAKING ▲▲** **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 ▲▲** **1/2 CREDIT**
Grades 10, 11, 12
 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, most notably the Lincoln-Douglas format. 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.**
- 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.

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.
445 *	

49-10	ENL CONTENT SUPPORT Grades 9 & 10	1 ELECTIVE CREDIT
411-12	ENL CONTENT SUPPORT Grades 11 & 12	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.

FAMILY AND CONSUMER SCIENCES

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

Human Services & Family Studies coursework prepares students for careers in Education and Human Services. Students will learn fundamentals in teaching and learning, gain hands-on experience working with children and families, and explore professions in Education and Human Services.

Independent Living & Foods coursework prepares students to be self-sufficient individuals who make smart consumer decisions. For life during and after high school, these courses will prepare the Herricks student for adult life. Additionally, students will explore careers in Consumer Education, Hospitality Management, Entrepreneurship and Culinary Arts.

Human Services & Family Studies

Child Development:
Early Childhood Development

Principles of Education:
Teaching & Learning

Child Study Practicum
Nursery/Preschool Lab

Co-Op Work Program:
Elementary Education
Internship

Independent Living & Foods

Foods & Culinary Arts

International Foods

Senior Survival

HUMAN SERVICES & FAMILY STUDIES

- 725C1 CHILD DEVELOPMENT: EARLY CHILDHOOD DEVELOPMENT ▲▲ 1/2 CREDIT**
Grades 9, 10, 11, 12
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 ▲▲ 1/2 CREDIT**
(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
- 735CS CHILD STUDY PRACTICUM ▲▲ 1 CREDIT**
Grades 10, 11, 12
High school students will facilitate a comprehensive nursery style program in which they will design and implement developmentally appropriate activities for pre-school aged children. Three and four year olds from the community will be the participants in the class. This course provides a unique opportunity to develop an authentic understanding of teaching and learning.
PREREQUISITE: Child Development & Principles of Education
- 535EE CO-OP WORK PROGRAM-ELEMENTARY EDUCATION 1/2 OR 1 CREDIT**
Grades 11, 12
Students enrolled in this program will be placed in one of the District's Elementary Schools where they will observe, act as a teaching assistant and be able to teach a few small units on a specific subject matter. The student will be scheduled for this program during 9th period. This program is designed for the junior or senior student who is contemplating a career in Elementary Education. District transportation is not provided. A student can participate in both their junior and senior year.
PREREQUISITE: Child Development and/or the Child Study Practicum

INDEPENDENT LIVING & FOODS

735FF FOODS AND CULINARY ARTS ▲▲
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** **^^**
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 take an exciting culinary journey around the world featuring foods from France, Italy, China, and Latin America with stops in regions along the way. Students will learn advanced culinary techniques and explore the historical and geographical reasons making each culture's food unique.

745SS SENIOR SURVIVAL
Grade 12

1/2 CREDIT

This course prepares students for the daily choices and challenges of independent adulthood. Whether preparing for college, life beyond Herricks High School or feeling the independence of senior year, students will gain useful knowledge for daily living. This course will include handling personal finances, career pathways, personal relationships, manners, basic food preparation, basic clothing maintenance, and basic auto maintenance and safety and personal environment.

HEALTH EDUCATION

- | | | |
|--------------|--|-------------------|
| 934 | HEALTH EDUCATION RA
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. | 1/2 CREDIT |
| 935 | HEALTH EDUCATION - GRADE 10/GRADE 11
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. | 1/2 CREDIT |
| 925PC | PEER COMMUNICATION ▲▲
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. | 1/2 CREDIT |
| 935P1 | PEER LEADERSHIP 1 ▲▲
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 | 1 CREDIT |
| 945P2 | PEER LEADERSHIP 2 ▲▲
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 | 1 CREDIT |

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

XL	PROGRAM EXCEL AA Grades 9, 10, 11 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	1 CREDIT
AS09B	WORLD HISTORY WORKSHOP 9 AA Grade 9 This class meets on alternate days for 1 full year. 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.	1/2 CREDIT
ASALG	ALGEBRA 1 WORKSHOP AA This class meets on alternate days for one 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.	1/2 CREDIT
ASALG2	ALGEBRA 2 WORKSHOP AA 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.	1/2 CREDIT
ASGEO	GEOMETRY WORKSHOP AA 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.	1/2 CREDIT

9LAB	ENGLISH 9 LAB AA	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 AA	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 AA	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 AA	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.	
ASEN/SS	WORLD HISTORY 10 WORKSHOP AA	1/2 CREDIT
	This class meets on alternate days for 1 full year.	
	This class is designed for tenth 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.	
	THE ACADEMIC SUPPORT PROGRAM	1/2 CREDIT
ASMT/SC	Academic Support Math/Science	
ASEN/SS	Academic Support English/Social Studies	
	Grades 10, 11	
	Academic Support is a supplementary course for .5 credit (miscellaneous) given in addition to the student's regular Social Studies, Math, Science, and English. The goal of the course is to provide supplementary assistance to help students be successful in their classes. The course meets on alternate days. The classes are taught using a tutorial or small group format with individualized attention to students' academic needs. The tenth and eleventh grade model includes a team of teachers from the areas of Math, Social Studies, Science, and English. The teachers are responsible for subject matter, reading, writing and study skills.	
	PREREQUISITE: Faculty Nomination	

MATHEMATICS DEPARTMENT

Math Courses and Pathways (2021-2022)*

Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Math 6	Math 7	Pre-Algebra	Algebra 1	Geometry	Algebra 2	Pre-calculus OR Electives
	Math 7 Advanced	Algebra 1	Geometry	Algebra 2	Pre-calculus OR Pre-Cal Hon	AP Calculus AB OR AP Calculus BC
			Geometry Advanced	Alg2/Pre-Cal Advanced	AP Calculus BC	Multivariable Calculus

*Incoming Grade 9 students
 Math AIS is offered for students in grades 6-10

MATH ELECTIVES

- Grade 9- Math Research Level 1. Computer Science Discoveries.
- Grade 10- Math Research Level 2, CS Principles AP, Computer Science Discoveries , Computer Science I, Computer Science II
- Grade 11 and 12- Math Research Level 3, CS Principles AP, Computer Science I, Computer Science II, Computer Science AP, Statistics AP, Topics in Math 1, Topics in Math 2, College Algebra, College Statistics, College Calculus

MATHEMATICS DEPARTMENT

Math Courses and Pathways**

Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Math 6	Math 7	Pre-Algebra & *Workshop	Algebra 1 & *Workshop	Geometry & *Workshop	Algebra 2 & *Workshop	Pre-calculus OR Electives
	Math 7 Advanced	Algebra 1	Geometry	Algebra 2	Pre-calculus OR Pre-cal Hon	AP Calculus AB OR AP Calculus BC
		Geometry Honors	Algebra 2 Honors	Pre-Cal Honors	AP Calculus BC	Multivariable Calculus

*Math AIS is offered in Grades 6-10

** This flow chart is in effect for students in grades 10-12

MATH ELECTIVES

- Grade 9- Math Research Level 1. Computer Science Discoveries
- Grade 10- Math Research Level 2, CS Principles AP, Computer Science I, Computer Science II
- Grade 11 and 12- Math Research Level 3, CS Principles AP, Computer Science I, Computer Science II, Computer Science AP, Statistics AP, Topics in Math, College Algebra

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.

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 Regents in June.

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

226 **GEOMETRY** **1 CREDIT**
* 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.

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

226ADV **GEOMETRY ADVANCED** **1 CREDIT**
* **Grade 9** **By Teacher Recommendation Only**
This accelerated 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. 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. Students electing to take this course should be quick learners who understand Math at a deep level. 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, and teacher recommendation, students will be placed in Algebra 2/Pre-Calculus Advanced.

231 **ALGEBRA 2** **1 CREDIT**
 * 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. Students will take the Algebra 2 Regents in June.

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

237AT **ALGEBRA 2 HONORS** **1 CREDIT**
 * **By Teacher Recommendation Only**
 This is an enriched course designed for students who have achieved at least an A in Algebra 1 and Geometry and scored 85% or higher on both Regents examinations. 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. Completing projects that involve research is required for this course. Students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Students will take the Algebra 2 Regents in June.

245 **PRE-CALCULUS** **1 CREDIT**
 * **Grades 11, 12**
 This course is designed for students who have achieved at least a B+ in Algebra 2 and scored 80% or higher on the Regents Exam in Algebra 2. The course covers algebra, sequences and series, conics, general theory of equations, complex numbers, analytic geometry, exponential and logarithmic functions, matrices and an introduction to the concepts of calculus. The course includes a school midterm examination and a final examination.
 NEXT PROBABLE COURSE: Advanced Placement Calculus AB, Advanced Placement Statistics, College Calculus

247 **PRE-CALCULUS HONORS** **1 CREDIT**
 * **By Teacher Recommendation Only**
 This upper level course is designed for students who have achieved at least an A in Algebra 2 Honors and an 85% Regents examination grade. It is an enriched version of the Pre-calculus Course. 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 course concludes with a school final 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 designed for students who have achieved at least a B+ in Pre-Calculus. The 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, school final and a project. This course may not be taken for the pass-fail option.
- 249BC ADVANCED PLACEMENT CALCULUS BC 1 CREDIT**
 * **By Teacher Recommendation Only**
 This course is designed for students who have achieved at least an A in Pre-Calculus Honors. The 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, school final exam and a project. This course may not be taken for the pass-fail option.
- 248ST ADVANCED PLACEMENT STATISTICS 1 CREDIT**
 * This course is for students who have completed Algebra 2 or Pre-Calculus with a B or better. Students may take this course, and either Pre-Calculus Honors or AP Calculus concurrently. The 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.
- 249MV MULTI-VARIABLE CALCULUS ▲▲ 1 CREDIT**
 * This course is an advanced calculus course designed for students who have successfully completed a year of AP Calculus BC with at least a B. It 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.

ELECTIVES

- 215MR MATHEMATICS RESEARCH PROGRAM – Level 1 ▲▲ 1/2 CREDIT**
Grades 9, 10,
 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**
Grades 10, 11, 12 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 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.
- 220HR MATHEMATICS RESEARCH PROGRAM – Level 3 1/2 CREDIT**
Grades 11, 12 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 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.
- 231TA TOPICS OF MATH 1 CREDIT**
*** Grades 11, 12 By Teacher Recommendation Only**
 Through the branches of Algebra and Geometry, students will utilize mathematical skills and concepts to apply critical thinking and problem solving to real-world applications. Some topics include: equations and inequalities, quadratic and exponential applications, trigonometry and logic and reasoning. Topics of Math focuses on skills that students will utilize in their post graduate goals.
 PREREQUISITE: Algebra 1

241TA2 TOPICS OF MATH II 1 CREDIT
 * **Grades 11, 12 By Teacher Recommendation Only**
 This course focuses on mathematics topics related to business, personal finance and statistics that are meaningful and relevant for success in college and career in the 21st Century. Students will experience an application and project based learning approach incorporating Algebra, Geometry and statistics concepts. Students will learn about investments, credit, household budgeting, insurance, statistics in sports, and stock market. The course offers students opportunities to learn and apply a variety of problem solving strategies. Students will be assessed through projects and performance tasks that require collaboration and communication.
 PREREQUISITE: Algebra 1

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 I | 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 1 HS CREDIT/3 ADELPHI UNIVERSITY CREDITS
*** Grades 11, 12**

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 University (3 credits).

*Note: This is a calculus course for those **not** majoring in Mathematics, Engineering Science or Computer Science*

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.

210CSD COMPUTER SCIENCE DISCOVERIES ▲▲ 1 CREDIT
Grades 9, 10

This is an introductory course that takes a wide lens into various aspects of Computer Science. Students will learn how to live productively and safely in a technology-dominated world. This includes understanding the essential features of digital technologies, why and how they work, and how to communicate and create using those technologies. The course will include computational thinking which involves thinking about and solving problems across disciplines in ways that can be carried out by a computer. The course will address data analysis/modeling, hardware/software and their interactions, and basic block based programming. Students will examine and understand career paths, logic, social and ethical considerations/digital citizenship related to information technology. This course will be the foundation for higher level Computer Science courses offered in our school.

PREREQUISITE: Algebra 1

215CS1 COMPUTER SCIENCE I ▲▲ 1/2 CREDIT
Grades 10, 11, 12

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.

PREREQUISITE: Geometry

215CS2 COMPUTER SCIENCE II ▲▲**1/2 CREDIT****Grades 10, 11, 12**

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 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

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**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
Music Theory
Advanced Placement Music Theory

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 Music.

COURSE OFFERINGS

800G	BEGINNER GUITAR ▲▲ Grades 9, 10, 11, 12 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.	1 CREDIT
815MT	MUSIC THEORY ▲▲ Grades 9, 10, 11, 12 The course covers the basic building blocks of music, from notation, rhythm language, scales and modes through intervals and chords and theory of harmony. Knowledge is applied to various forms of musical composition and analysis of musical scores. A working knowledge of music and notation is necessary. Piano ability, and/or participation in a school music ensemble is also necessary.	1 CREDIT
815AP	ADVANCED PLACEMENT MUSIC THEORY ▲▲ Grades 10, 11, 12 During this second year of music theory students work independently and in groups to further develop and refine concepts learned in year one. Using technology, students	1 CREDIT

PREREQUISITE: Students must have taken Music Theory and received a B or higher.

Grades 9, 10, 11, 12**Grades 9. 10. 11. 12**

MUSIC PERFORMANCE COURSE OFFERINGS

Grade 9

Grades 10, 11 & 12

Grades 10, 11, 12

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811TC TREBLE CHOIR ▲▲
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.

811C MIXED CHOIR ♫♫
Grades 9, 10, 11, 12

1 CREDIT

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.

815CC CHAMBER CHOIR ▲▲ (HONORS)
Grades 10, 11, 12

1 CREDIT

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 ▲▲
Grade 9

1 CREDIT

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.

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 ♠♠ (HONORS)
Grades 10, 11, 12

1 CREDIT

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 18th 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 ▲▲

1/2 CREDIT

Mandated for all 9th Graders

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 Grades 10, 11, 12	1/4 CREDIT
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Personal Fitness II enables students to use the knowledge acquired from Personal Fitness (a required 9th 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	1/4 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 Grades 11, 12	1/4 CREDIT
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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 UNIVERSITY CREDITS**
Grades 10, 11, 12
 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 1/2 HS CREDIT/3 ADELPHI UNIVERSITY CREDITS**
Grades 11, 12
 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 1/2 CREDIT**
Grades 11, 12
 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 1/2 CREDIT
Grade 12

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) safety. Units included are: 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: kayaking, fishing, mountain biking, skiing/snowboarding, orienteering and hiking. The total fees are approximately \$150-\$200. 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.

925D3 DANCE 3 AA 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

2021-2022

REGENTS PROGRAM

Physical Setting/Earth Science Regents

Living Environment Regents
(Honors 9th)*

Living Environment Regents

Physical Setting/Chemistry Regents
(Honors)*

Physical Setting/Chemistry Regents

Physical Setting/Physics Regents

Physical Setting/Physics Regents/
AP Physics 1

AP SCIENCE OFFERINGS

AP Biology*

AP Chemistry*

AP Environmental Science*

AP Physics 1/Regents Physics

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]

Astronomy [Gr. 9-12]

Forensic Science [Gr. 11-12]

Human Systems [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*

***By Recommendation Only**

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.

315 PHYSICAL SETTING/EARTH SCIENCE REGENTS 1 CREDIT - 7 1/2 periods per week
*** Recommendation Only for Grade 9 - Open to Grades 10-12**

The course centers around student investigations and activities aimed at furthering an understanding of the planet Earth -- its changes, its cycles, its history, and its relationship to the vast body of outer space through which it moves. The student becomes aware of some of the mysteries and unanswered questions that puzzle earth scientists. The course material is conceptual and attempts to bring the Earth and its features closer to the student. This is accomplished through analyzing observations and relating them to the student's experiences.

325	THE LIVING ENVIRONMENT REGENTS	1 CREDIT - 7 1/2 periods per week
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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 is recommended for the student who has achieved a minimum of a C in ninth grade science and who possesses a good reading ability.

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

- 317** **THE LIVING ENVIRONMENT REGENTS HONORS** **1 CREDIT**
 * **By Recommendation Only** **7 1/2 periods per week**
 This course is open to ninth grade accelerated science students who have taken eighth grade Regents Earth Science.
- 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. No more than a 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. No more than a 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.
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.
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. The NYS Regents Physics examination will be given at the end of this course.
 PREREQUISITE: Passing grade in a Science Regents examination
- 349AP** **PHYSICAL SETTING/PHYSICS REGENTS/AP PHYSICS 1** **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. The NYS Regents Physics examination will be given at the end of this course. Students will also be prepared for the AP Physics 1 examination. Students enrolled in this course are strongly recommended 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.
 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 - 5 periods per week**
 * 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 ▲▲** **1/2 CREDIT - 5 periods per week**
 * 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
- 335MT** **MEDICAL TECHNOLOGY** **1 CREDIT - 5 periods per week**
 * 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** **ADVANCED PLACEMENT BIOLOGY** **1 CREDIT - 7 1/2 periods per week**
 * **By Recommendation Only**
 This college level course in biology 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 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** **1 CREDIT - 7 1/2 periods per week**
 * **By Recommendation Only**
 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.

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, Chemistry, 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 ▲▲ 1/2 CREDIT
*** Grades 10, 11, 12 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: Open to any student interested in science as a tool for problem solving and has completed Living Environment

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 12th 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.

Honors weighting is dependent upon registration in Senior Independent Research in 12th 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.

Honors weighting is dependent upon registration in Senior Independent Research in 12th grade.

PREREQUISITE: Completion of Science Research: Intermediate Research

347HR SCIENCE RESEARCH: SENIOR INDEPENDENT RESEARCH 1/2 CREDIT
Grade 12 (Senior Year Research Students)
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 NYSEF 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, promotes academic independence, and values community involvement.

The SRA values the pursuit of knowledge with a teaching process that emphasizes cooperation and peer learning in an effort to foster respect for self, community, and differing opinions. This program is small in size and provides a structured environment. Attention is given to individual needs 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. 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 have to 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	Algebra 2	Forensic Science	Physical Education
English 12	Economics & Government	Topics of Math		Health
				Academic Support
				World Language

HERRICKS SECONDARY SOCIAL STUDIES

GRADE 9

1 Credit

Global History &
Geography 9

OR

World History 9

GRADE 10

1 Credit

Global History &
Geography 10

OR

World History 10

GRADE 11

1 Credit

U.S. History & Government
11

OR

American History 11

GRADE 12

*½ Credit in Economics
½ Credit in Participation in
Government*

**The following fulfills the
Participation in
Government requirement:**

Criminal Justice
Man's Inhumanity
Sociology
U.S. Gov't. & Politics AP*

AND

**The following fulfills the
Economics requirement:**

Economics
AP Macroeconomics**
AP Economics*

OR

The following fulfills **both**
the Participation in Gov't.
and Economics
requirement:

Participation in Gov't. &
Economics*

ELECTIVES

Independent Research in
Social Studies I ▲▲**
Independent Research in
Social Studies II ▲▲**
Independent Research in
Social Studies III ▲▲**
Psychology ▲▲*
Model United Nations/
International Studies ▲▲
History through Film ▲▲
Philosophy ▲▲
Program Excel¹
Psychology AP*
World History Workshop**
Human Geography AP*
Intermediate Philosophy
News Literacy ▲▲
Racial Literacy in
Society ▲▲
Racial Literacy in
Society II ▲▲
Racial Literacy in
Society III ▲▲

**If Government and
Economics
requirements have been
met, the following may
be taken as electives:**

Criminal Justice ▲▲
Man's Inhumanity ▲▲
Sociology ▲▲

·World History Workshop
9 & 10 classes
recommended for
students who have not
had previous success in
Social Studies

·All students must take, and
pass, a Regents exam in
Global History 10

·Academic Intervention
mandated in the event of
Regents failure

·All students must take, and
pass, a Regents exam in
U.S. History & Gov't.

·Academic Intervention
mandated in the event of
Regents failure.

*Full Year Course
**Full Year Course/
meets every other day

▲▲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

113 *	GLOBAL HISTORY AND GEOGRAPHY 9	1 CREDIT
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This first year course of a two-year sequence in Global 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 study of major historical eras from ancient civilization into the eighteenth century, students will "analyze critical turning points" in Western and non-Western history. 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 final exam will be given at the end of this course.

115 *	WORLD HISTORY 9	1 CREDIT
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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.

TENTH GRADE

123 *	GLOBAL HISTORY AND GEOGRAPHY 10	1 CREDIT
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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.

- 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 10th grade material is required at the end of the course. **In addition, taking the AP World History exam is highly recommended.**

AP Credit Grade 10:

1. All students in grade 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.

- 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 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 Regents requirement for an Economics 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. *This course, Advanced Placement Macroeconomics or Participation-in-Government and Economics is required for all seniors.*

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 Participation in Government 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 Participation in Government and Economics

- 143PG PARTICIPATION IN GOVERNMENT AND ECONOMICS 1 CREDIT**
 * The purpose of this course is to help students learn how to participate in the economy and influence the society in which they live. This course is designed for students needing to improve their skills in reading, writing and computer literacy in the content area of Social Studies. Appropriate books and materials are used and smaller classes allow greater individualization of instruction. This course fulfills the Economics and Participation-in-Government requirements.

ENRICHMENT ELECTIVES/SOCIAL STUDIES

The following electives may be taken only in addition to those required courses previously listed. The student will receive elective credit, but these courses may not 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 ▲▲ 1 CREDIT

*

Grade 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.

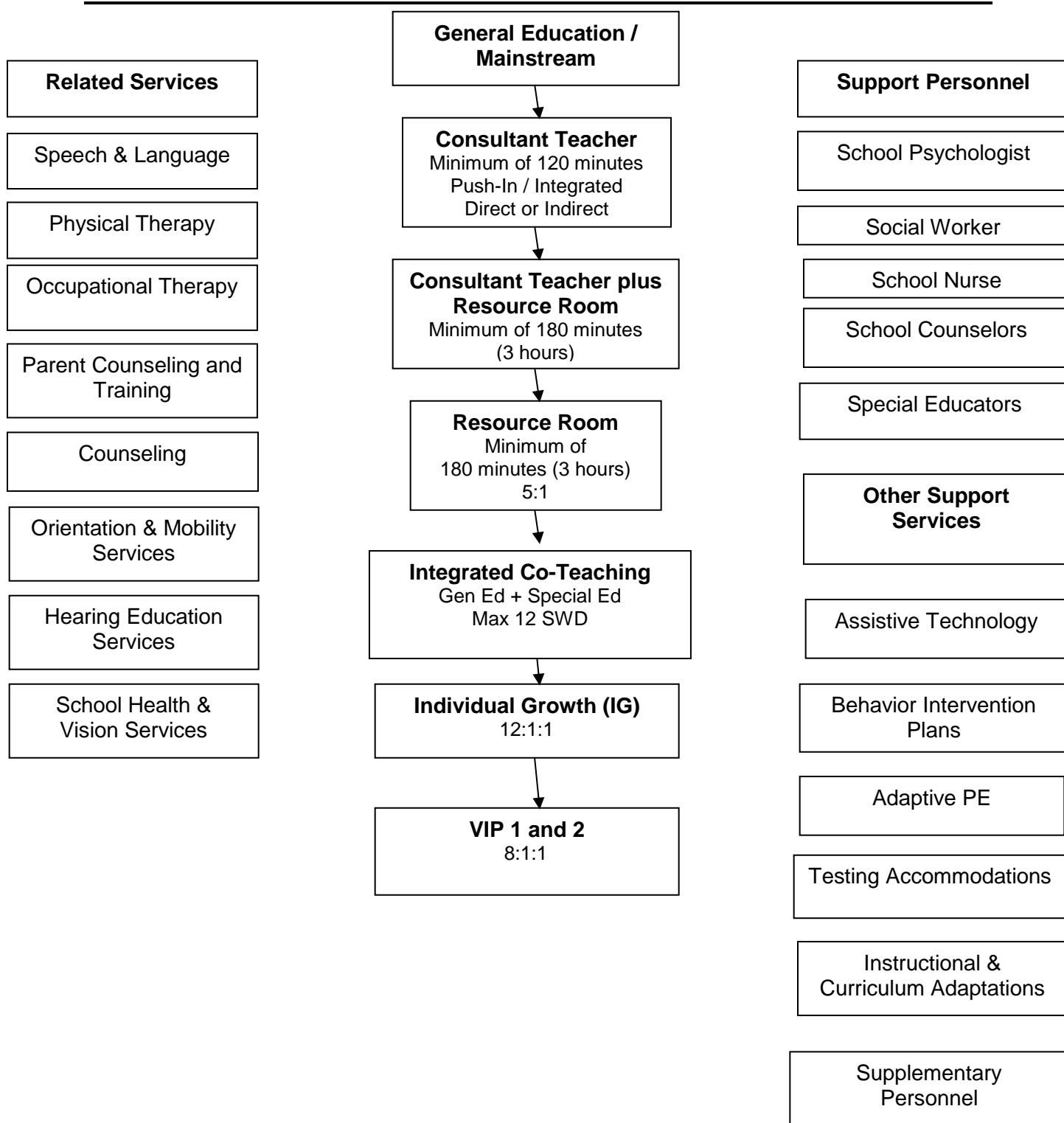
- 125U1 MODEL UNITED NATIONS/INTERNATIONAL STUDIES I 1/2 CREDIT**
Grades 9, 10, 11, 12
 This course will provide students with a unique opportunity to research and debate global issues from the perspective of individual countries through the simulation of the central elements of the United Nations (primarily 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**
 While students will share class time with Model United Nations 1 and 3 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 1/2 CREDIT**
 While students will share class time with Model United Nations 1 and 2 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.
- 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 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 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 **must** successfully complete the course work **and** take the Advanced Placement exam.
- 143CJ** **CRIMINAL JUSTICE** ▲▲ (see course description on page 60)
- 143SO** **SOCIOLOGY** ▲▲ (see course description on page 60)
- 143MI** **MAN'S INHUMANITY TO MAN** ▲▲ (see course description on page 59)

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	English 9	1 Credit
S020	English 10	1 Credit
S030	English 11	1 Credit
S040	English 12 Survey	1 Credit

SOCIAL STUDIES

S110	Global Studies 9	1 Credit
S120	Global Studies 10	1 Credit
S130	United States History 11	1 Credit
S140	Government and Economics	1 Credit

MATHEMATICS

S210	Mathematics 9	1 Credit
S220	Mathematics 10	1 Credit
S230	Mathematics 11	1 Credit

SCIENCE

S355MB	Marine Biology	1 Credit
S320	The Living Environment	1 Credit
S330	Environmental Science	1 Credit

ADDITIONAL COURSES

S888 RR	Resource Room Grades 9, 10, 11, 12	No Credit
S840TS	Transitional Seminar Grade 12	1/2 Credit
SGS9	Guided Study 9	No Credit
SG10	Guided Study 10	No Credit

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.

S010 ****	ENGLISH 9 This course introduces students to adapted literary works of both prose and drama. Activities focus on reading comprehension skill development, the expansion of expressive and receptive language, the development of expository writing skills, as well as vocabulary development.	1 CREDIT
S020 ****	ENGLISH 10 This course continues to reinforce and expand upon skills developed in English 9. Students read, discuss, and complete various activities concerning adapted and original literary works of both prose and drama. Students are expected to complete various writing assignments in which skill development in both form and content is emphasized. Vocabulary development is stressed throughout the course.	1 CREDIT
S030 ****	ENGLISH 11 This course continues to reinforce and expand upon skills developed in English 10. Selections in American and young adult literature are read, discussed and analyzed. Much emphasis is placed on the fundamentals of reading and writing, with vocabulary development stressed. This course includes preparation for the Comprehensive Regents Exam in English Language Arts.	1 CREDIT
S040 ****	ENGLISH 12 SURVEY The purpose of this course is to help students learn more about themselves through exploration of literary form. Emphasis is also placed on the fundamentals of reading and writing. Students are expected to complete various written assignments involving expository and narrative writing. This course will continue to prepare any student who has not passed the Comprehensive Regents Exam in English Language Arts.	1 CREDIT
S110 ****	GLOBAL STUDIES 9 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.	1 CREDIT

S120 ****	GLOBAL STUDIES 10 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 th 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. A Regents exam covering Global Studies 9 and 10 is given at the end of this course.	1 CREDIT
S130 ****	UNITED STATES HISTORY 11 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.	1 CREDIT
S140 ****	GOVERNMENT AND ECONOMICS Grade 12 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.	1 CREDIT
S210 ****	MATHEMATICS 9 This is a general math course concentrating on basic mathematical skills and problem solving with emphasis on pre-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.	1 CREDIT
S220 ****	MATHEMATICS 10 This course is a continuation of the curriculum addressed in Mathematics 9. Topics will include algebra and geometry. It will continue to prepare students for the Regents exam in Integrated Algebra which will be given at the end of this course.	1 CREDIT
S230 ****	MATHEMATICS 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.	1 CREDIT
S355MB ****	MARINE BIOLOGY 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.	1 CREDIT

S320 **THE LIVING ENVIRONMENT** **1 CREDIT - 7 1/2 periods per week**

 This lecture and laboratory course uses the methods of scientific inquiry to study the structure and function of living organisms. Genetics, evolution, and ecology are also studied. The completion of 30 lab hours is required to sit for the Regents exam. The Regents exam in Living Environment is given at the end of this course.

S330 **ENVIRONMENTAL SCIENCE** **1 CREDIT**

 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.

ADDITIONAL COURSES

S888RR **RESOURCE ROOM** **NO CREDIT**

 Grades 9, 10, 11
 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.

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 (Daily)** **NO CREDIT**
SG10 **Grades 9, 10**
 This course is designed to give supplemental instruction in core academic subjects for students in ninth and/or tenth grades. Teachers will target curriculum areas and incorporate specific study skills to fit the demands of a particular subject.

TECHNOLOGY and S.T.E.M. EDUCATION

Design and Drawing for Production fulfills the graduation requirement for 1 credit Art/Music, as does Studio in Art in the Art Department. Technology electives may be combined according to individual needs. The listing below may prove helpful in developing a "Four Year Plan" that has relevance to the individual student's educational and/or occupational goals. 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).

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

+Available for selection by ninth graders

735AD ARCHITECTURAL DESIGN 1/2 CREDIT **Grades 9, 10, 11, 12**

In this course students will be introduced to the fundamental principles of design and construction as they relate to residential buildings. Students will address the architectural issues of building style, room layout, and methods of construction. Students will design an entire home using 3D modeling software, SolidWorks. They will be able to interact with their 3D model on the computer. Using the 3D printer, students will then build a physical model based on their renderings from their computer generated design. This course integrates the four disciplines of science, technology, engineering and math for use in real world applications.

625CD COMPUTER AIDED DESIGN & 3D PRINTING 1 1/2 CREDIT **Grades 9, 10, 11, 12**

3D modeling and 3D printing has become a skill that is sought after in the fields of biology, dentistry, surgery, prosthetics, architecture, engineering, aerospace, art, filmmaking (props) and many more. This course focuses on 3D modeling and 3D printing. Using the computer as a design tool, students will be able to create 3D computer models that can be 3D printed and used. Students will become familiar with 3D modeling techniques in the CAD software program, SolidWorks, an industry standard. Students will be able to utilize these techniques to problem solve and design products, jewelry, architecture, mechanical devices and anything you can imagine. The designers will take their ideas from concept, to working 3D computer model, to complete physical 3D printed product, which students will take home! Project assignments are varied and let the designer take control. These assignments include keychain/jewelry design, toy design and an independent project; where students design whatever they want, from art pieces to functional products that solve real world problems.

- 625CD2 COMPUTER AIDED DESIGN & 3D PRINTING 2 1/2 CREDIT**
Grades 9, 10, 11, 12
Can't get enough? Want to learn more about solving real world problems with 3D printing? Well, here is your chance to be on the forefront of technology. We will take what we have learned in CAD 1 and add more complex 3D modeling techniques, as well as learning the limitations of 3D printing. Acquiring these new skills will help you produce both 3D models and 3D prints that work harmoniously together. The goal of this class is to solve a problem with an invention, resolving that issue. You will do this by continuously problem solving your way to your end goal or product. You are only limited by your imagination!
PREREQUISITE: Computer Aided Design and 3D Printing 1
- 615DD DESIGN AND DRAWING FOR PRODUCTION 1 CREDIT**
Grades 9, 10, 11, 12
This is an introductory year-long exploration into our universal graphic language. The designers will express their ideas with creativity, clarity and exactness. This course encourages visual problem solving using drafting techniques. Included are the following forms of technical drawings: freehand sketching, orthographic projection and isometric drawings. Most projects let the designers take control while they design and build their products. Some of these projects include: Designing and creating their own pencil holder, an architectural building and CO₂ dragsters which are then entered into competition. This course integrates the four disciplines of science, technology, engineering and math for use in real world applications.
- 725PE PRINCIPLES OF ENGINEERING 1 CREDIT**
Grades 10, 11, 12
This course will allow students to explore the exciting world of robotics as it relates to science, technology, mathematics and engineering. This is a hands-on course where students will be involved in analyzing real world problems, while taking part in friendly competition. The engineers will use experimentation and the design process while taking into consideration materials and resources. The engineers will develop their own unique solutions to the problems presented, while working on team building skills. Some projects include construction and testing, as well as aerodynamics and flight, where the engineers will design and test an airplane wing, tug-of-war vehicles and the construction of one of Leonardo da Vinci's famous drawings. Students will also explore new concepts by actively constructing robots to complete a certain task. This course integrates the four disciplines of science, technology, engineering and math for use in real world applications.
PREREQUISITE: One Year of Regents Science and Integrated Algebra; Design and Drawing for Production
- 725W1 WORLD OF TECHNOLOGY 1 1/2 CREDIT**
Grades 9, 10, 11, 12
This is an introductory course for all students interested in technology. Students will study a broad range of technical areas related to resources, processing and various forms of transportation. Students will learn how to use hand tools and machinery, as they design and construct models. They will learn basic electrical theory and be introduced to technical drawing. Some projects include prototyping, electricity, and robotics.. This is a two part course and students may take one or two parts of the course work. This course integrates the four disciplines of science, technology, engineering and math for use in real world applications.

725W2 WORLD OF TECHNOLOGY 2 1/2 CREDIT

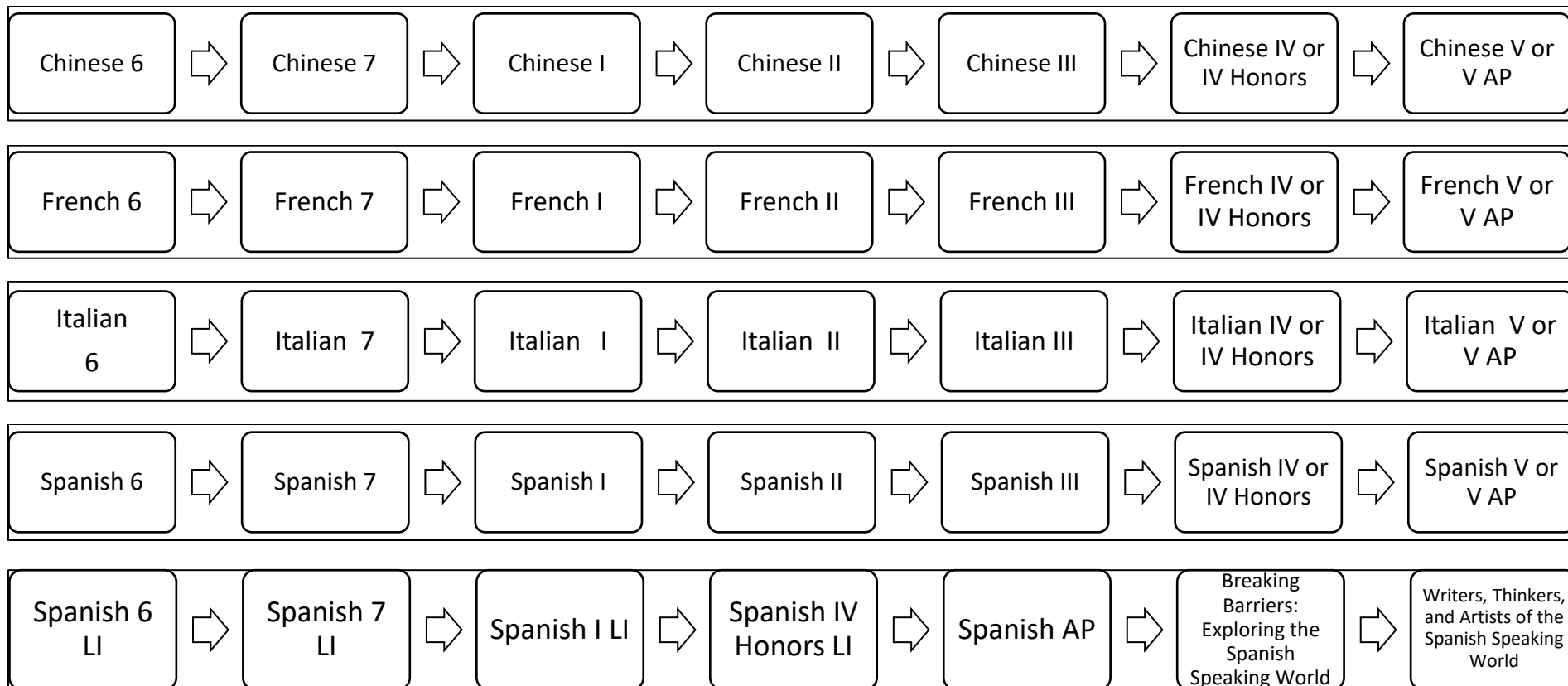
Grades 9, 10, 11, 12

Part 2 in a sequence, students build upon their knowledge learned in World of Technology 1. They will gain experience with production and manufacturing systems while utilizing wood processing machinery. Students will choose their own individual project and take their idea from concept to actual product. Students will learn the specific skills necessary to complete their design and make it a reality. This course integrates the four disciplines of science, technology, engineering and math for use in real world applications.

PREREQUISITE: World of Technology 1

2021-2022 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 are offered at HMS. 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
- Language II, III, IV, IV H, V, V AP are offered at HHS
- Spanish LI courses are for those students in the Spanish language Immersion Program. (NEW) Writers, Thinkers, and Artists of the Spanish Speaking World for grade 12 LI students 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.

WORLD LANGUAGES

Department Philosophy

“Monolingualism Can Be Cured!” Through the learning of language 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 global community. Language learning allows us to bridge cultural barriers and promote ways of interpreting our diverse world while stimulating intellectual curiosity.

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 is 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 final exam and/or a project-based assessment at the end of the course.

PREREQUISITE: Respective Language 1

446 SPANISH 4 HONORS LANGUAGE IMMERSION ▲▲ 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 final exam and/or a project-based assessment at the end of the course.

PREREQUISITE: Herricks Language Immersion Program

432 CHINESE 3; [431 FRENCH 3]; [433 ITALIAN 3]; [435 SPANISH 3] 1 CREDIT
* **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 Checkpoint B exam, offered through the Foreign Language Association of Chairpersons and Supervisors (FLACS).

PREREQUISITE: Respective Language 2

Please note that 11th and 12th 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 ▲▲ 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 final exam and/or a project-based 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 final exam and/or a project-based 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 final exam and/or a project-based assessment at the end of the course.

PREREQUISITE: Italian 3

- 445** **SPANISH 4** **AA** **1 CREDIT**
 * **Grades 11, 12**
 In this thematic course, students will read and view a variety of stories and movies from the Spanish-speaking world. They will also learn about various musicians and musical genres prevalent across Spanish-speaking countries. The art of the Spanish-speaking world will be explored and discussed by highlighting various artists. Through literature, art, movies and music, students will discuss topics such as customs, traditions, practices, family life and politics. Authentic reading and listening materials will be used, with discussion and writing connected to both. There is a department final exam and/or a project-based 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 final exam and/or a project-based 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**
 * **Grades 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 a departmental final and/or a project-based 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 a departmental final and/or a project-based 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: French 4

- 453**
* **ITALIAN 5/ITALIAN 5 AP: ITALIAN LANGUAGE AND CULTURE** ▲▲ **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 a departmental final and/or a project-based 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** ▲▲ **1 CREDIT**
Grade 12
- In this course students will be introduced to a variety of artists and films from the Spanish-speaking world including but not limited to Picasso, Dali, Kahlo, as well as exploring several movies and series in the target language. Students will explore and analyze social issues presented by these artists and in these films as a means to strengthen listening, speaking, reading and writing skills. Students will also study current events in Latin America using a wide variety of authentic resources. Spanish 5 culminates in a departmental final and/or a project-based assessment.
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 may not be taken pass/fail.**
PREREQUISITE: Spanish 4 Honors or Spanish 4H Language Immersion
- 461**
* **BREAKING BARRIERS: EXPLORING THE SPANISH SPEAKING WORLD** ▲▲ **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. This course culminates in a project-based assessment. College credit is not available for this course at this time.
PREREQUISITE: AP Spanish Language & Culture.

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

ONE 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. 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 hands-on 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 five 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. The following vocational and technical programs are available to Herricks students:

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
- Horticulture Technology
- 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

SPECIAL PROGRAMS

STAC	STAC (Student Theatre Arts Company) Grades 9, 10, 11, 12	2.5 CREDITS
<p>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.</p>		

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 (10th, 11th, and 12th 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 4th 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

950LS	LMC STUDENT ASSISTANT ▲▲ Grades 9, 10, 11, 12	1/2 CREDIT
<p>The High School Library Media Center is a busy, active learning hub of the school. LMC Student Assistants will run a new "help desk" within the library and aid the staff and other students in finding resources, navigating the LMC and Destiny websites, promoting special programs, processing new materials, and maintaining the physical space. This is a great position for students looking to provide a service to the entire school community!</p>		

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
- Art Magazine
- Asian-American Cultural Society
- Black Student Union
- Chinese Cultural Club
- Christian Fellowship Club
- Club Forum
- Coding Club
- Community Club
- Dance Repertory Club
- Dance Theatre Club
- D.E.C.A.
- Environment Club
- Ethics Club
- Euro Challenge Club
- ECS (Explore, Create, Share)
- French Cultural Club
- Freshman Class
- Future Medical Frontiers
- Garden Club
- Gay/Straight Alliance
- Great Outdoors Club
- Greek Club
- Habitat for Humanities
- HICAP (Herricks Int'l Children's Aid Program)
- HMUNC (Herricks Model United Nations)
- Highlander
- Historical Research Club
- International Thespian Society
- Italian Cultural Club
- Jazz Band
- Jazz Choir
- Junior Class
- Justice League
- Korean Club
- Latinx Club
- Literature Club
- Mathletes
- Mindfulness & Meditation
- Men's/Women's Choir
- 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)
- 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)