



Holmdel Public Schools



2024-2025 PROGRAMMING

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HOLMDEL HIGH SCHOOL

THE OFFICE OF CURRICULUM AND INSTRUCTION

GRADUATION REQUIREMENTS



SUBJECT AREA	NJ GRADUATION REQUIREMENTS	MINIMUM COLLEGE REQUIREMENTS	COMMENTS
English	4 years <i>(20 credits)</i>	4 years	4 years of English are required by the state of NJ for graduation. Students must have a passing grade in each English course to meet those requirements. AP Language and Composition & AP Literature and Composition may supplant English 11 and English 12 graduation requirements.
Mathematics	3 years <i>(15 credits)</i>	3 years Algebra I Geometry Algebra II	4 years of mathematics is preferred and may be required for entrance into competitive colleges and/or certain majors, including engineering, science and architecture.
Science	3 years <i>(15 credits)</i> <i>Including Biology</i> AND <i>a Chemistry,</i> <i>Physics</i> <i>or Environmental Science</i>	2-3 years Lab Sciences	Most colleges/universities require biology and chemistry. Four years of science is preferred and may be required for entrance into competitive colleges. Physics may be required for certain majors, including engineering, science, and architecture.
Social Sciences	3 years <i>(15 credits)</i> World Civilizations U.S. History I U.S. History II	3-4 years	While the standard graduation requirement for social sciences typically involves completing a three-year curriculum, many colleges and universities advocate for an extended fourth year of coursework. This additional year is designed to better equip students for the academic demands of general education courses and more advanced studies within social sciences majors. The inclusion of a diverse range of elective courses allows students to explore specific areas of interest while fulfilling the extended requirements. Notably, certain advanced courses, such as AP US History, may be accepted as substitutes for the traditional 11th-grade social sciences graduation requirement. This approach aims to provide students with a more comprehensive and flexible educational experience, catering to both their academic and personal interests.

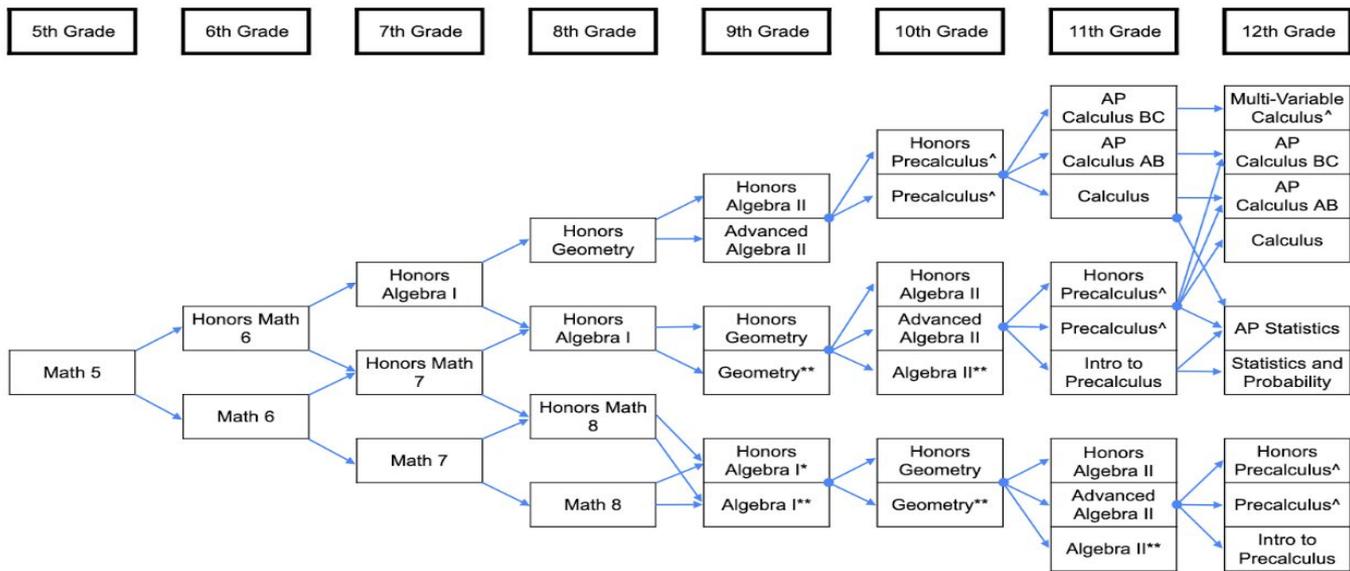
GRADUATION REQUIREMENTS CONT.



SUBJECT AREA	NJ GRADUATION REQUIREMENTS	MINIMUM COLLEGE REQUIREMENTS	COMMENTS
World Language	1 year <i>(5 credits)</i>	2 years	Most colleges require a 2-year minimum of a single world language. Three or more years of study is recommended for admission to competitive colleges.
Health and Physical Education	4 years <i>(20 credits)</i>		
Visual or Performing Arts	1 year <i>(5 credits)</i>		
Technology Literacy, Career Education and Life Skills or Voc-Tech Ed	1 year <i>(5 credits)</i>		
Financial Literacy	1 semester <i>(2.5 credits)</i>		
Electives	<i>(credits will vary)</i>		These may be academic and non-academic courses.



TYPICAL COURSE SEQUENCE: MATH



*This course will be offered starting in the 2025-26 school year.

Honors Algebra II or Advanced Algebra II and Honors Geometry or Geometry may be taken concurrently for students wishing to accelerate. Final course grade ≥ 93 in Algebra I or Honors Algebra I, and recommendation from Math Supervisor is required.

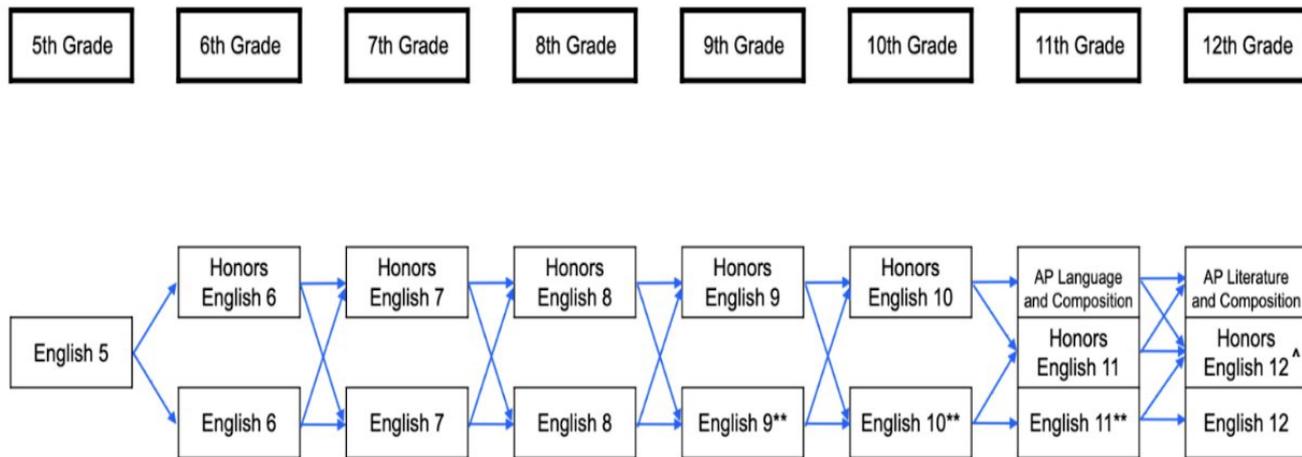
** Students earning <73 in their prerequisite math are recommended to be enrolled in Math Lab concurrently.

AP Statistics may be taken concurrently with on-level or higher Precalculus or Calculus in 11th or 12th grade.

^Dual Enrollment Available.



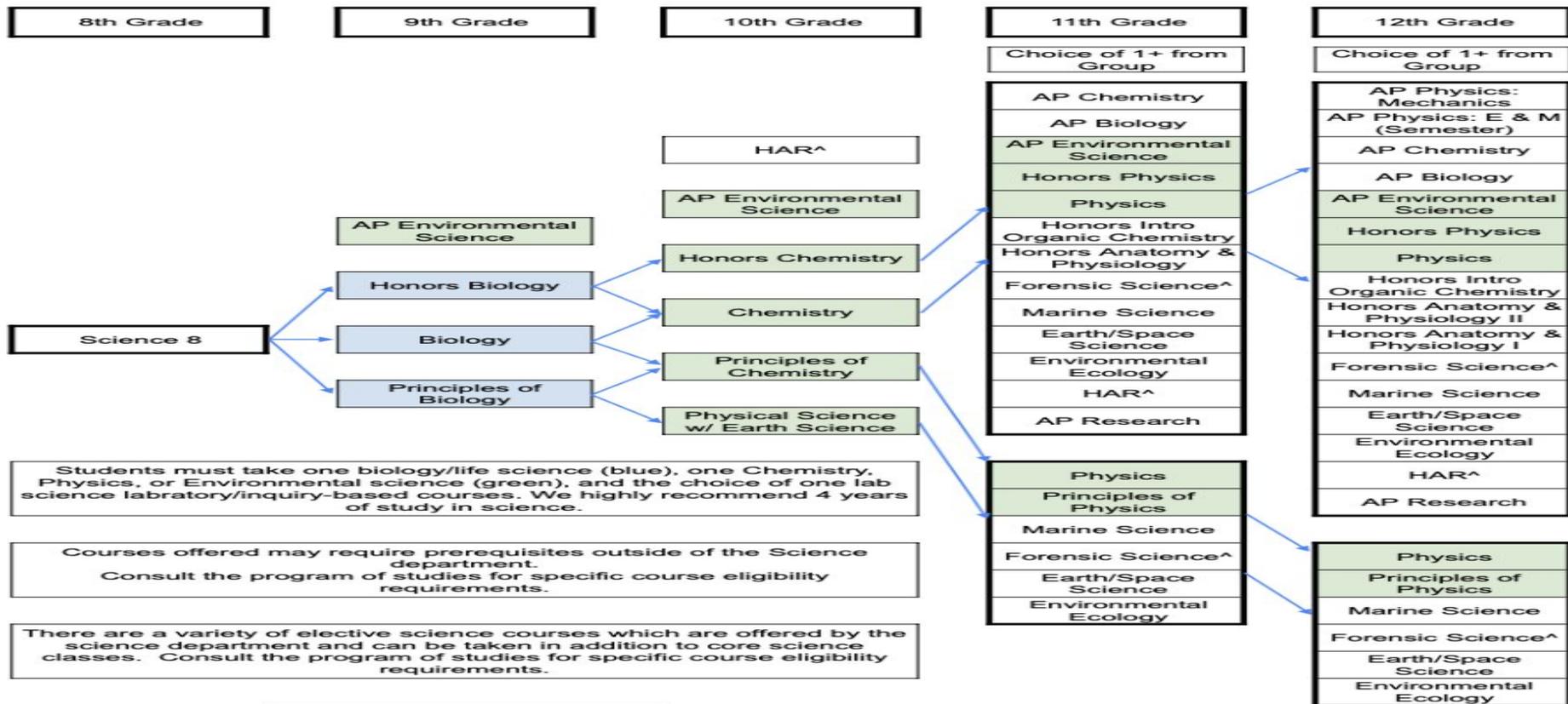
TYPICAL COURSE SEQUENCE: ELA



**Students earning <73 in their prerequisite English are recommended to be enrolled in Writing Lab concurrently.

[^]Dual Enrollment Available.

TYPICAL COURSE SEQUENCE: SCIENCE



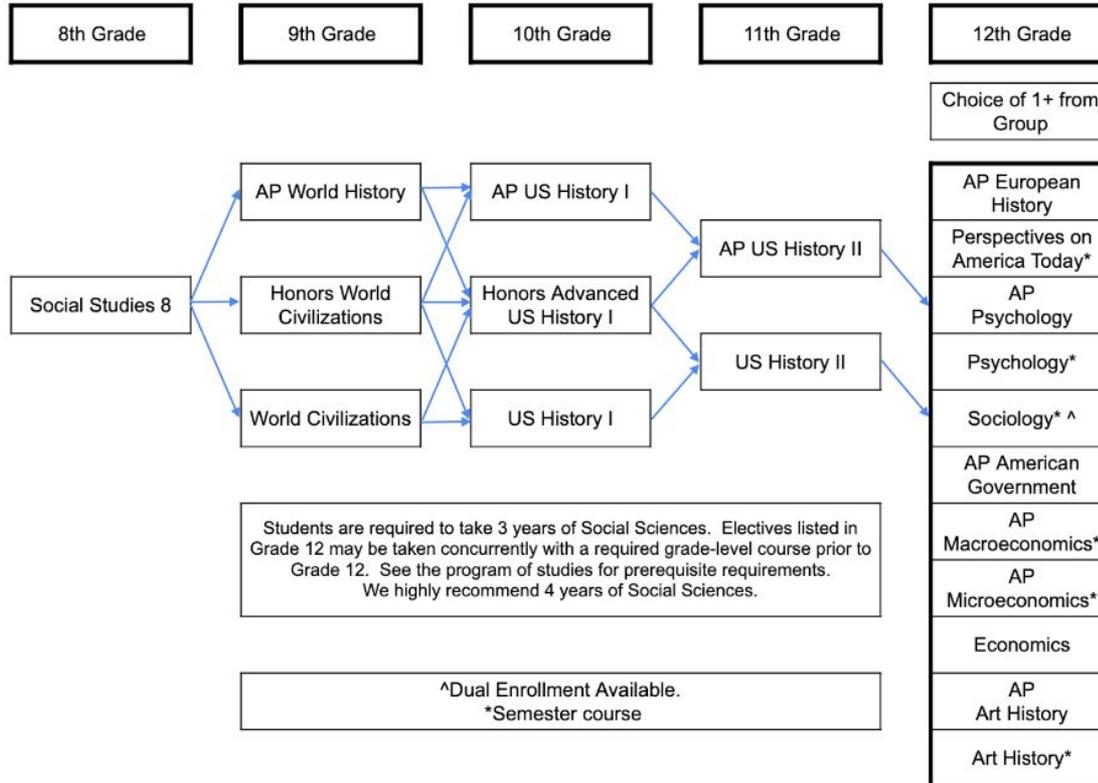
Students must take one biology/life science (blue), one Chemistry, Physics, or Environmental science (green), and the choice of one lab science laboratory/inquiry-based courses. We highly recommend 4 years of study in science.

Courses offered may require prerequisites outside of the Science department. Consult the program of studies for specific course eligibility requirements.

There are a variety of elective science courses which are offered by the science department and can be taken in addition to core science classes. Consult the program of studies for specific course eligibility requirements.

^Dual Enrollment Available.

TYPICAL COURSE SEQUENCE: SOCIAL SCIENCES



SCHEDULING PROCESS



February 29	Program of Studies Release Letter to the School Community
March 5 & 6	Class Meetings with the Counselors to Review the Course Selection Process
March 6	Share elective choice documents, videos and Program of Studies in an email to students/parents at 3:00 PM
March 18	Course requests due in PowerScheduler by 8:00 PM
March 20 & 21	Rising 9th grade Placement Tests
June 28	Future course lists sent home with report cards, including counselor assignments for the incoming freshman class, letter with all waived courses included
July 15	All course waivers due
July 31	All summer assignments (for waiver courses) due.
August 23	Portal opened for students/parents to view final schedule and counselor assignments, letter with all waived courses included THE OFFICE OF CURRICULUM AND INSTRUCTION

PROGRAM HIGHLIGHTS: CAREER CONCENTRATIONS



4 COURSE CONCENTRATIONS

- Computer Science
- Exploratory Medicine and Health
- Hospitality
- Performing Arts (Dance)
- Scientific Research
- Visual Arts

5 COURSE CONCENTRATIONS

- Business Entrepreneurship
- Communications and Broadcasting
- Engineering
- Government and Public Administration
- Graphic Arts
- International Relations
- Performing Arts (Acting)
- Performing Arts (Vocal Music)
- Performing Arts (Instrumental Music)
- Performing Arts (Musical Theater)
- Publishing and Journalism Dynamics

An internship/mentorship within any of the Career Concentrations would satisfy ANY 5 credits within that chosen Career Concentration field.

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PROGRAM HIGHLIGHTS: RUTGERS BIOMEDICAL HEALTH PROGRAM



- Rutgers Biomedical Health Sciences (RBHS) offers a sequence of degree options for high school students preparing to pursue a career in healthcare.
- The programs are designed to provide students with a strong foundation in science, medicine, and biotechnology, with opportunities for hands-on research and clinical experiences.
- The RBHS programs cover a range of fields, including biology, chemistry, physics, and pharmacology, and offer students the opportunity to customize their coursework to their interests and career goals.
- The program is part of the regular high school day. Students take college-level, introductory healthcare, and science courses, and earn credit by examination. Students in the program gain a solid foundation in the health sciences and their experience with college level course work enhances academic skill development.
- High school students who complete the RBHS sequence may be eligible for advanced placement in college and may have connections to internships and research opportunities in healthcare.
- Sophomores, juniors, and seniors may earn up to 15 credits by examination.

COURSES

Rutgers Honors Scientific Principles of Nutrition

Rutgers Honors Emergency and Clinical Care

Rutgers Honors Dynamics of Healthcare in Society

Rutgers Honors Medical Terminology

Rutgers Anatomy & Physiology I/II

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PROGRAM HIGHLIGHTS: AP OFFERINGS



- Students who are enrolled in an AP course are expected to take the AP exam.
- Students who complete the course and take the AP exam will receive additional weight towards their grade. Students who do not take the AP exam will receive a weighted grade equal to that of an Honors Course. College credit is possible if students achieve a 3 or higher on the AP test (colleges determine the score criteria for credit independently).
- The district will reimburse up to 2 AP exams per year, per student.

AP COURSES

Art History	Computer Science Principles	Macroeconomics	Seminar
Biology	English Language & Composition	Microeconomics	Spanish
Calculus A/B	English Literature	Music Theory	Statistics
Calculus B/C	Environmental Science	Physics (E&M)	US Govt./Politics
Chemistry	French	Physics Mechanics	US History
Chinese	Italian	Psychology	World History
Computer Science A	Latin	Research	

PROGRAM HIGHLIGHTS: NEW COURSES

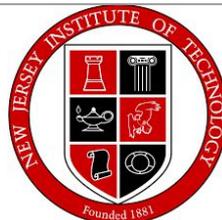


Course Code	Course Name	Course Description
H2090	Statistics and Probability with Applications	This course is a comprehensive course designed to equip students with the necessary skills and knowledge to excel in college-level statistics or the work-place. The course places a strong emphasis on practical applications, enabling students to use exploratory methods for pattern identification and decision-making in real-life scenarios. Students will actively engage in 'doing statistics', gaining a deep understanding of the 'why' and 'how' behind concepts.
H7825b	Entrepreneurship Experience	This course provides a strong foundation of entrepreneurship-related knowledge, skills, and experiences. The course follows best practices for entrepreneurship education, which include learning by doing through real-world simulations, reflecting on first-hand experiences, and emphasizing an evidence-based entrepreneurship process. Students will create a business plan and have the opportunity to compete in the University of Delaware - Horn Entrepreneurship Diamond Challenge. Teams chosen for this challenge will compete in late February. Dual enrollment credits are available through University of Delaware.
H1533	Writing Lab	The course is designed to address the specific needs of students who would benefit from additional support in developing essential writing skills. The course aims to provide a focused and supportive environment where students can enhance their writing proficiency, fostering academic success and preparing them for the challenges of higher-level coursework.
H5615b	Rutgers Honors Anatomy and Physiology/Lab II	This course is the second half of introductory-level anatomy and physiology, and it would provide students with knowledge and understanding of the following topics: (1) Endocrine System; (2) Blood; (3) Cardiovascular System; (4) Lymphatic System & Immunity; (5) Digestive System; (6) Nutrition and Metabolism; (7) Respiration; (8) Urinary System; (9) Water, Electrolytes, Acid/Base; (10) Reproductive Systems; (11) Pregnancy & Development; and (12) Genetics & Genomics.
H2029	Math Lab 9/10/11/12 (*adjusted offering*)	This course is designed to strengthen students' core math skills while nurturing number sense, creative problem-solving, and mathematical communication. This course offers a structured approach to develop a strong mathematical foundation and encourages critical thinking. Students will regularly engage in collaborative activities as well as receive individualized support to excel in their core math class. This elective is required for students earning <73% in a core math class during the previous year and optional for students who would like more time to develop their mathematical understanding.
H9225	Honors Certified Patient Care Technician/Assistant	This course will prepare students to work in a healthcare setting as a Certified Patient Care Technician/Assistant. The topics covered include patient care, compliance, safety, and professional responsibility as well as infection control. Students will be trained to perform clinical skills such as monitoring and recording vital signs, assisting with mobility and activities of daily living, basic respiratory care, obtaining specimens, heat and cold applications, pre- and post-operative care, and other tasks related to direct patient care. Upon completion of this course and all of the prerequisites, students will have the opportunity to take a certification exam administered through the National Healthcareer Association (NHA) that provides the student with a nationally recognized certification to begin working in the healthcare environment after graduation.

PROGRAM HIGHLIGHTS: DUAL ENROLLMENT



BROOKDALE	SETON HALL	NJIT	STOCKTON	U. OF DELAWARE
Honors Acting II Honors Acting III Dance II Honors Dance III Intro to Music Theory Honors Chamber Singers	Honors Spanish IV Honors Chinese IV Honors Latin IV Honors French IV Honors Italian IV Honors English 12 Sociology	Forensics Honors Advanced Research Precalculus/ Honors Precalculus Honors Multivariable Calculus	Advanced Studio Production Engineering Design Capstone	Entrepreneurship Experience



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SATZ MIDDLE SCHOOL

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COURSE OFFERINGS



Our courses are designed to foster exploration, creativity, and innovation in various fields, providing diverse and enriching educational experiences through our elective and cycle course offerings. Through our partnership with Holmdel High School, students have the opportunity to select courses that align with their interests and career aspirations. This partnership expands students' horizons and prepares them for future endeavors.

Cycle Courses Overview:

Cycle courses are grade-specific and mandatory for all students.

- Examples include:
 - 7th Grade: Argument & Debate & Technology Education
 - 8th Grade: Standing Up to Intolerance

Elective Courses Overview:

- Elective courses allow students to delve deeper into their interests and passions.
- Our elective courses cover a wide range of subject areas, including humanities, arts, and technology.
- These courses equip students with essential skills for success in the 21st century.

Sample Elective Courses:

- Content Creators
- Creative Media
- Earth, the Environment and Humanity
- Forensics
- Game Design
- Mythology
- Robotics

New for 2024-2025:

- Honors Algebra - now combined
- Honors Math 8 - to replace Algebra 8
- 7th & 8th Math Lab
- Writing Lab - added

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SCHEDULING PROCESS



March 5	Rising 9th Grade Class Meeting with counselors to Review the Course Selection Process.
March 20 & 21	Placement Tests
April 8 (week of)	Share Program of Studies & Elective Choices in an email to students/parents
April 9	Rising 7th Grade Parent Orientation
April 22	Course requests due in PowerScheduler by 8:00 PM
June 28	Future course lists sent home with report cards
July 15	Waivers due.
July 31	Summer work completion (for waivers) and final placement
August 23	Portal opened for students/parents to view final schedule and counselor assignments.

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IMPORTANT LOGISTICS

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WAIVERS



- Initial placement into an honors course for rising 6th, 7th, and 8th graders necessitates that students receive a 6 or higher on our 8-point criteria scale. Criteria includes standardized state assessments, standardized district assessments, classroom grades, and writing samples.
- Once placed in honors, students must maintain a class average of 86 or higher to remain in the honors track.
- Waivers for rising 6th, 7th, and 8th graders will be considered if students receive a score of 4 or 5 points on our 8-point scales. Students with scores of 1-3 points will not be eligible to waive into advanced courses.
- For rising 9th-12th graders, students will be recommended to courses based on the grades earned the prior school year. At the time of scheduling, students may elect to take courses in which they are not recommended, therefore necessitating a waiver.
- All waiver students must have signed parent permission.
- All waiver students must complete additional summer prerequisite work (July 31).
- All students, and especially waiver students, are actively encouraged to attend extra help sessions during the school year.

SUMMER ASSIGNMENTS



ENGLISH	English 6/7/8/9/10/11/12; Honors English 6/7/8/9/10/11/12; AP Language, AP Literature
MATH	Math 6/7/8; Honors Math 6/7/8; Algebra I, Honors Algebra I, Geometry, Honors Geometry, Algebra II, Advanced Algebra II, Honors Algebra II, Precalculus, Honors Precalculus, AP Calc AB, AP Calc BC, AP Statistics
SOCIAL SCIENCES	Honors Advanced US I, AP US II, Honors World Civilizations, AP World History, AP Psychology, AP Euro, AP Art History
SCIENCE	AP Bio, AP Chem, AP Physics E&M, AP Physics Mechanics, AP Environmental Science, Honors Biology, Honors Chemistry, Honors Physics
WORLD LANGUAGE	AP Chinese, AP French, AP Italian, AP Latin, AP Spanish
ENGINEERING	Engineering and Design Capstone

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SUMMER ADVANCEMENT



Students who have completed their 9th grade year and have earned a 90 or better in their content-specific grade level course have the opportunity to advance their coursework in the summer for specific courses in each department. **Courses for advancement purposes do not receive high school credit nor do they receive credit toward the calculation of rank or GPA.**

To earn promotion through summer advancement, a coursework grade of 80% in an approved course AND at least a 75% on the District provided final are required. In order to advance into an Honors-level course in the 2024-25 school year through advancement, the Honors-level final must be taken in the summer. Students who earn 65-74% on the Honors final will be able to advance to the next course in the content sequence, but will be placed into the non-honors level. **No waivers and no exceptions to these guidelines are permitted for summer advancement courses.** The general process and department requirements are found below. Students can begin requesting summer advancement as early as April 1.

Summer Advancement Process

1. Determine the course you would like to request to take; in-person or virtual options are accepted, but are subject to the content supervisor's approval.
2. Fill out the appropriate course advancement request form below. **Deadline for the form submission is May 31.** At the end of the form you will be required to schedule an appointment with the appropriate content supervisor. Parent/guardian attendance is strongly encouraged.
3. Meet with the content supervisor **on or before June 7.**
4. Submit proof of registration **on or before June 10.**
5. Complete the approved course and present proof of completion with at least 80% correctness by **August 15.**
6. Take the District final for the approved course. **This must occur in person at Holmdel High School between August 19 - 22, 2024.** The specific time will be scheduled with the department supervisor.

Courses for advancement purposes do not receive high school credit nor do they receive credit toward the calculation of rank or GPA. Eligible courses and final exam information can be found below:

Students who fail a passing grade in the course and a minimum score of 75 on our district exam will not be eligible to waive into the next level course and will be placed in the recommended course by the content supervisor.

Courses available for advancement: Honors Geometry, Geometry, Honors Algebra II, Algebra II, Honors Precalculus, Precalculus, US History I, Honors Advanced US History I, US History II, AP United States History (APUSH).

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