



# Commack High School

## School Profile 2023-2024

### Administration

Carrie Lipenholtz, Principal  
 Matthew P. Keltos, Vice Principal  
 Andrea Allen, Assistant Principal  
 Eric P. Biagi, Assistant Principal  
 Dr. Jordan Cox, Superintendent

### Counseling Center

1 Scholar Lane, Commack, NY 11725 | Phone: 631-912-2121 | Fax: 631-912-2226  
<https://www.commackschools.org/CounselingCenter.aspx>

### Counselors

Nicole Kregler, Director	Donald Graham	Gabrielle Moore
Alyson Catinella	Ann Iacopelli	Diane Nelson
Jacqueline Clark	Courtney Meyer	Julie Russo
James Del Giudice	Jon Miale	Heather Tadmor

### School

Commack High School is a comprehensive four year high school serving the areas of Commack, Dix Hills, East Northport and Smithtown. A low student/faculty ratio provides a challenging academic environment for all students. According to the “New York State School Report Card” Commack High School is one of the highest performing schools in New York State. Last year’s graduating class consisted of 494 students and the total school population was 1,861.

### Community

Commack is a residential community of 37,000 people located approximately 50 miles east of New York City in Suffolk County, Long Island. Suffolk County has a population of 1.5 million and adjacent Nassau County has a total of approximately 1.36 million. There are 90 public and private high schools located in Suffolk County. The School District consists of one high school, one middle school, two intermediate schools and four primary schools, with a total enrollment of 5,550 students.

### Course Weighting & Class Ranking

For grade point average and determining cohort group only, the following courses have an additional weight added.

10% added to the final grade for all:

- College-level courses
- International Baccalaureate courses
- Advanced Placement courses

6% added to the final grade for all:

- Honors, Enriched, and Pre-IB/AP
- Math and Science Research
- IB Language Ab Initio
- Italian Language/Culture 1
- Spanish Language/Culture 1

The final course grade on the high school transcript does not reflect this addition.

In accordance with Commack School District policy, seniors are not ranked. In place of traditional ranking, we calculate a weighted and unweighted grade point average for each senior which is recorded on their transcript. Also located on Senior Transcripts is a Grade Conversion Table/Cohort Group. This table permits college admissions officers to place students in a particular “Cohort Group” and thus compare them with students presenting similar performance.

### Grade Conversion Table Cohort Group

Numerical Grade	Letter Equivalent	Quality Points	Class of 2023 # of Students
Above 100	A++	4.67	83
97 to 100	A+	4.33	77
94 to 96	A	4.00	87
90 to 93	A-	3.67	84
87 to 89	B+	3.33	53
84 to 86	B	3.00	35
80 to 83	B-	2.67	31
77 to 79	C+	2.33	22
74 to 76	C	2.00	8
70 to 73	C-	1.67	7
67 to 69	D+	1.33	1
65 to 66	D	1.00	1
64 or below	F	0	1

### NYS Graduation Requirements

Subject	Regents Diploma Credits	Advanced Regents Diploma Credits
English	4	4
Social Studies	4	4
Mathematics	3	3
Science	3	3
Second Language	1	3
Health	.5	.5
Art and/or Music	1	1
Sequence Requirements and/or Electives	3.5	1.5
Physical Education	2	2
Total	22	22

## SPECIAL PROGRAMS

### International Baccalaureate Diploma Program (DP)

IB Diploma Programme candidates are required to study six subjects: Language A, Language B, Individuals and Societies, Experimental Sciences, Mathematics, and The Arts and Electives. At least three subjects, and not more than four, are studied at the Higher Level (HL) and the others at Standard Level (SL). To receive the IB Diploma, candidates must accrue a minimum of 24 points and successfully complete the three requirements: the Extended Essay (an independent research paper of 4,000 words), the Theory of Knowledge (TOK) course and assessments (an oral presentation and essay of 1,200-1,600 words on a prescribed topic), the learning outcomes and approximately 150 hours of Creativity, Activity, Service (CAS) activities that include artistic, athletic and humanitarian endeavors.

### International Baccalaureate Career-related Program (CP)

IB Career-related Programme is a course of study for students who wish to focus on career related learning in the last two years of secondary school. The Career-related Programme combines the highly regarded and academically challenging courses from the IB Diploma Programme (DP) with practical, real-world approaches to learning. All of the elements of the CP help students develop the communication, personal, and academic skills necessary to succeed in a rapidly changing world. The IB Career Program requires: A minimum of 2 IB Diploma courses, two years of a career-related study course, a unique program course called Personal and Professional Skills, a Reflective Project (related to the chosen career-related study), a World Language Development requirement and a Service Learning Project. Commack offers the Career-related Program in Business Administration and STEM Pathways.

### Career and Technical Education Program

This half day program provides students an opportunity to explore a broad spectrum of careers through hands on learning experiences and allows them to develop skills necessary for employment in specific career areas or post-secondary study.

### Internship Program

This work-based learning program helps connect what students learn in school with a real work experience through supervised internships with local businesses and industries.

### Community Service & Involvement Program (CSIP)

A graduation requirement for all students. To fulfill this requirement, the district requires the completion of 65 units/hours of CSIP over a period of four years for all students not enrolled in the IB Diploma or Career-related Programs.

### Dual-enrolled College Courses

The dual enrollment programs allow students to take college classes while still enrolled in high school. These classes count for both high school and college credit. Commack High School currently offers 48 college courses.

### Science Research Program

Students can begin enrichment course offerings in middle school, followed by four years of Science Research in high school. Students carry out authentic research and as they enhance their skills, working on both independent and group projects. Students will be prepared to enter various local and state competitions. For a self-motivated student, an after school independent research course is available. Additionally, eleventh and twelfth grade students are the only public school students on the East Coast who can take part in the StanMack Fly Lab. The StanMack research course runs in conjunction with the Seung Kim Laboratory at the Stanford School of Medicine, and allows students to use molecular biology lab techniques to create new genetic strains of fruit flies. These novel lines of flies can potentially be registered and used as tools in professional labs around the world that are interested in doing controlled genetic experimentation.

### Project Lead the Way (PLTW)

For students interested in a Design, Engineering and/or Technology career, they can pursue a pathway in PLTW courses. Project Lead the Way are a sequence of Engineering Curriculum that teach students to adopt a problem-solving mindset, are engaged and compelling, and meet with real world challenges that help them become better collaborators and thinkers.

## CURRICULUM HIGHLIGHTS

### ART

AP Art History  
AP Studio Art  
College Advertising Design  
College Computer Illustration  
College Digital Photography  
College Game Design  
College Traditional Photography  
College Sculpture and Ceramics  
IB Visual Arts HL Y1 & Y2  
IB Visual Arts SL

### BUSINESS

College Accounting  
College Business and Personal Law  
College Computer Applications  
IB Business Management HL Y1 & Y2  
IB Business Management SL

### ENGLISH and COMMUNICATIONS

College Advanced TV Studio Production  
College English Composition  
College Television Studio Production  
English 9 Enriched  
English 10 Enriched  
IB English Language and Literature 1  
IB English Language and Literature 2 HL  
IB English Literature 1  
IB English Literature 2 HL  
IB Theater Arts 1  
IB Theater Arts 2 SL/HL

### HEALTH and PHYSICAL EDUCATION

College Health Professions  
College Sports Medicine  
IB Dance 1  
IB Dance 2 SL/HL

### INTERNATIONAL BACCALAUREATE

IB CAS 11, 12  
IB Extended Essay 11, 12  
IB Personal and Professional Skills 11, 12  
IB Research Methods 11  
IB Theory of Knowledge 1 & 2

### MATHEMATICS

Algebra 2 Enriched  
AP Calculus AB  
AP Statistics  
College Algebra  
College Calculus  
College Pre-Calculus  
Geometry Pre-IB/Enriched  
IB/AP Computer Science 1  
IB Computer Science 2 SL  
IB Math Analysis HL 1  
IB Math Analysis HL 2/AP Calculus BC  
IB Math Analysis SL  
IB Math Applications SL  
PLTW/AP Computer Science Principles  
Research 9, 10, 11, 12

### MUSIC

AP Music Theory  
College Chorale  
College Symphonic Band  
College Orchestra  
IB Music HL Y1 & Y2  
IB Music SL

### SCIENCE

Biology Pre-IB/Enriched  
Chemistry Enriched  
College Anatomy & Physiology I & II  
College Chemistry Forensics  
College Marine Biology  
IB Biology 1 HL  
IB Biology 2 HL  
IB Biology SL  
IB Chemistry 1 HL  
IB Chemistry 2 HL  
IB Chemistry SL  
IB Environmental Systems & Society SL  
IB Physics 1 SL  
IB Physics 2 HL  
IB Sports, Exercise and Health Science SL  
Research 1, 2  
Research 11, 12  
Research Stan/Mack

### SOCIAL STUDIES

AP Human Geography  
College Sociology  
Enriched/Pre-IB/AP World History Modern  
Global History 1 Pre-IB/AP/Enriched  
IB Economics SL  
IB Global Politics SL  
IB History 1  
IB History 2 HL  
IB Psychology SL

### TECHNOLOGY

Cisco: Introduction to Networking  
Computer Repair Academy  
IB Design Technology SL Y1 & Y2  
IB Design Technology HL Y1 & Y2  
PLTW Building, Automation & Robotics  
PLTW Civil Engineering and Architecture  
PLTW Computer Integrated Manufacturing  
PLTW Design and Drawing for Production  
PLTW Principles of Engineering

### WORLD LANGUAGE

(French/Italian/Latin/Spanish)  
College ASL 3  
College Italian Language/Culture 1 & 2  
College Spanish Language/Culture 1 & 2  
IB Language 1  
IB Language 2  
IB Language ab initio SL Y1  
IB Language ab initio SL Y2

During the 2020-21 school year, students were instructed in an alternating day, hybrid model. Each student had a schedule that consisted of courses which were fully virtual and synchronous (elective courses) and courses which were fully in-person (4 academic core classes).

## CLASS OF 2023 PERFORMANCE STATISTICS

### ADMISSIONS TESTING INFORMATION

SAT Number Tested	366	Mean Total Score	1153
Mean ERW	575	Mean Mathematics	578
ACT Number Tested	297	Mean Composite Score	24.6

### INTERNATIONAL BACCALAUREATE INFORMATION

Total Number of Students taking IB Exams	471
Total Number of Diploma Candidates	45
Total Number of Assessments Offered	1,113
Total Number of Diploma Recipients	30
Percentage of IB Assessments "4" or Higher	72%

### ADVANCED PLACEMENT INFORMATION

Total Number of Students Taking AP Exams	382
Total Number of AP Exams Taken	404
Percentage of AP Scores "3" or Higher	84%

### DIPLOMA INFORMATION

Graduates	483
Regents	21.12%
Advanced Regents	48.03%
Advanced Regents with Honors	29.19%
Local Diplomas	1.66%
Total Regents Diplomas	98.35%
Total Advanced Regents Diplomas	77.23%
International Baccalaureate Diplomas	6.2%

### GRADUATE PLACEMENT

Attending College	95.45%
4 Year College	86.34%
2 Year College	9.11%
Vocational and Business Schools	.62%
Work / Military	3.73%
Other	0.21%