



MARINE SCIENCE MAGNET HIGH SCHOOL

2019-2020 MSMHS Profile



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Katherine Ericson
LEARN Executive Director

Dr. Nicholas J. Spera
Principal

Erica Mastronardi
School Counselor

Anna Scott
School Counselor

School and Community

MSMHS, established in 2011, is a 9-12, public magnet school operated by LEARN with 271 students who are accepted through an open, non-merit based, blind lottery that currently draws from 32 different middle schools. In 2018, MSMHS was awarded the CT State Department of Education School of Distinction Award for the Highest Overall Performance for a state record 5th time. MSMHS has ranked tops in the state amongst all public high schools on state standardized exams: Science CAPT (1st in '17) and SAT ELA (1st in '18). MSMHS has been recognized by US News & World Report as a 2018 Gold Medal High School, by Washington Post as the 2nd most challenging private or public high school in Connecticut and Newsweek ranked MSMHS as one of the top 500 high schools in the nation. In August 2016, MSMHS received full accreditation with the New England Association of Schools and Colleges (NEASC). MSMHS offers an extensive array of marine science themed programs and opportunities, as well as academically rigorous college preparatory opportunities that meet the needs of all students. Freshmen are heterogeneously placed in college-prep only courses with the exemption of AP Government for the class of 2023. Sophomore year, advanced levels of study are offered in Honors Algebra II and ECE Advanced Writing, ECE World Maritime History, and AP Environmental Science. Junior year, students enroll in AP and UConn Early College Experience (ECE) courses. Students must take foundational science courses that prepare them for AP and ECE science courses offered junior and senior year. Students participate in CIAC athletic programs at their sending district's high school.

MSMHS Highlights

- 99% of all MSMHS graduates have gone on to a two/four year college/university, 75% - four-year, 25% - two-year
- MSMHS offers 21 AP and ECE courses in: Advanced Writing*, American Studies*, AP Art History, AP Biology, AP Calculus AB*, AP Calculus BC, AP Chemistry, AP Computer Science Principles, AP English Language*, AP English Literature*, AP Environmental Science*, Horticulture & Design*, AP Human Geography, Marine Science*, Maritime History*, AP Microeconomics, AP Psychology, AP Physics, Sea Around Us*, AP Spanish Language*, AP Statistics, AP US Government & AP US History (*UConn credit)
- MSMHS received the DOE School of Distinction Award for Overall Performance in 2013, 2014, 2015, 2017, & 2018
- Dr. Nicholas J. Spera received the 2016 MSA Northeast Principal of the Year, 2015 UConn Principal of the Year Award, & 2012 CAS First-Year Principal of the Year Award
- National Merit Scholarship Winner & 5 Semi-finalists since '16
- MSMHS awarded a Gold Medal by US News & World Report
- ConnCAN ranked MSMHS #1 high school in CT
- #2 overall most challenging private or public school in CT by Washington Post's Jay Matthews 2019 National Challenge Index

MSMHS Core Values and Beliefs Statement

MSMHS is a safe, respectful and nurturing environment. The MSMHS Family believes that *effort creates ability* and that *all students can succeed*. Our learning community is committed to innovative instruction that promotes effort and ensures academic rigor through a curriculum responsive to our diverse student body. Furthermore, the MSMHS community collaborates with all members to prepare students for post-secondary education by supporting the personal, academic, and career goals of every student. MSMHS inspires students to develop the mindset and character needed to be active stewards of the ocean and contributing citizens in a global community.

Graduation Requirements: Total 25 credits

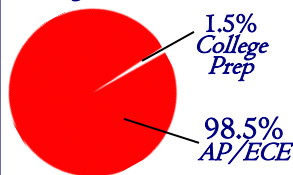
English	4.0	Aquaculture	1.0
Social Studies	3.0	PE/Health	2.0
Mathematics	4.0	Senior Portfolio	1.0
Science	5.0	Spanish	1.0
Marine Science	2.0	Arts/Electives	2.0

Grade Point Average/Class Rank

Students are not ranked except for valedictorian and salutatorian. GPA is measured each semester and weighted according to the chart below:

Letter	Points	GPA	Honors	AP/ECE
A+	97-100	4.3	4.52	4.73
A	93-96	4.0	4.20	4.40
A-	90-92	3.7	3.89	4.07
B+	87-89	3.3	3.47	3.63
B	83-86	3.0	3.15	3.30
B-	80-82	2.7	2.84	2.97
C+	77-79	2.3	2.42	2.53
C	73-76	2.0	2.10	2.20
C-	70-72	1.7	1.79	1.87
D	65-69	1.0	1.05	1.1
F	Below 65	0.0	0.0	0.0

Class of 2020 Students Taking AP/ECE Courses



2019 AP Test Score Distribution

Biology, Calculus AB, Chemistry, Computer Science Principles, English Literature, Microeconomics, Environmental Science, Human Geography, Physics, Spanish Lang, Psychology, Statistics, US History

5	4	3	2	1
15	72	100	78	30

AP courses are available to juniors and seniors. In May 2019, 131 students took a total of 295 AP exams in 13 AP subjects. Moreover, 63.4% of students of scores were 3 or higher. All AP students are required to take AP exams.

MSMHS STANDARDIZED TEST SCORE REPORT

Rankings are amongst all of the 208 Public High Schools in Connecticut

2019 ELA SAT Rankings

#	School	Goal %
1	Darien HS	93%
2	Ridgefield HS	92.6%
3	Staples HS - Westport	92.5%
4	Wilton HS	92%
5	Joel Barlow HS - Region 9	91.3%
6	Marine Science Magnet HS	90.5%

Class of 2020 SAT Rankings

Spring 2019 of Junior Year

SAT Section	Score AVG	State AVG	CT Rank
Language Arts	593	516	6th
Mathematics	556	503	29th

Class 2020 Weighted Cumulative GPA

Total # Students: 65 Highest GPA: 4.48

