



MARINE SCIENCE MAGNET HIGH SCHOOL

2018-2019 MSMHS Profile



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 CEEB CODE: 070252 www.msmhs.com

Dr. Eileen S. Howley
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. In Fall 2014, MSMHS reached max capacity with 271 students who are accepted through an open, non-merit based lottery that currently draws from 32 different middle schools. In 2017, '16, '14 & '13, MSMHS was awarded the CT State Department of Education School of Distinction Award for the Highest Overall Performance. MSMHS has ranked tops in the state amongst all public high schools on both state tests: Science CAPT (1st in '17) and the ELA Section of the SAT (1st in '18). MSMHS has been recognized by US News & World Report as a 2018 Gold Medal High School, by Washington Post as the 5th most challenging 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. Sophomore year, advanced levels of study are offered in Honors Algebra II and English II, 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 19 AP and ECE courses in: American Studies*, AP Biology*, AP Calculus, 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*, Spanish*, AP Statistics, & AP US History (* denotes UConn credit course)
- MSMHS received the DOE School of Distinction Award for Overall Performance in 2013, 2014, 2016, and 2017
- Dr. Nicholas J. Spera received the 2016 MSA Northeast Principal of the Year, 2015 UConn ECE Principal of the Year Award, & 2012 William Cielukowski Outstanding First-Year Principal of the Year Award from the Connecticut Association of Schools
- Maria Grillo, '18, 2017 National Merit Scholarship Winner
- MSMHS received full accreditation from NEASC in 2016
- ConnCAN ranked MSMHS #1 high school in CT
- Named a US News & World Report Gold Medal High School
- 5th Most Challenging Public HS in CT by Washington Post

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	1.5
Mathematics	4.0	Portfolio	1.0
Science	5.0	Humanities	1.0
Marine Science	2.0	Electives	2.5

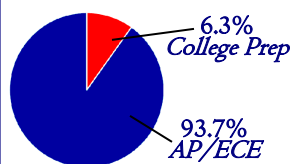
Students must meet academic, civic and social competency requirements through successful completion of a capstone portfolio.

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 2019 Students Taking AP/ECE Courses



2018 AP Test Score Distribution

Biology, Calculus AB, Chemistry, Computer Science Principles, English Literature & Composition, Environmental Science, Human Geography, Physics, Psychology, Statistics, US History

5	4	3	2	1
17	35	80	57	37

AP courses are available to juniors and seniors. In May 2018, 118 students took a total of 226 AP exams in 11 AP subjects. Moreover, 58% percent 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

2018 ELA SAT Rankings

#	School	Goal %
1	Marine Science Magnet HS	93.3%
2	Hand HS - Madison	93.2%
3	Weston HS	92.6%
4	Staples HS - Westport	91.2%
5	Darien HS	90.8%

Class of 2019 SAT Rankings

Spring 2018 of Junior Year

SAT Section	Score AVG	State AVG	CT Rank
Language Arts	593	516	1st
Mathematics	556	503	21st

Class 2019 Weighted Cumulative GPA

Total # Students: 63 Highest GPA: 4.31

