



MARINE SCIENCE MAGNET HIGH SCHOOL (MSMHS)

2016-2017 School Profile

130 Shennecossett Road Groton, CT 06340 860.446.9380 (fax) 860.446.9381
 CEEB CODE: 070252 www.msmhs.com

Dr. Eileen S. Howley
LEARN Executive Director

Dr. Nicholas J. Spera
Principal

Christopher Contos
School Counselor

Anna Calano
School Counselor

School and Community

MSMHS, established in September 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 2013 and 2014, MSMHS was awarded the State Department of Education School of Distinction Award for the Highest Overall Performance. MSMHS ranked 2nd amongst all Connecticut High School on both state standardized tests: Science CAPT and the English Language SBAC test in 2015. MSMHS was recognized in 2016 by US News & World Report as a Silver Medal High School, by Washington Post as the 9th most challenging 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 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 are able to enroll in Advanced Placement 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 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.

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 18 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 Biotechnology*, Marine Science*, Maritime History*, AP Psychology, AP Physics, AP Statistics, Spanish*, and AP US History (* denotes UConn ECE credit course)
- MSMHS received the School of Distinction Award for Overall Performance in 2013 and 2014
- Dr. Nicholas J. Spera received the 2016 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
- MSMHS received full accreditation from NEASC in 2016
- ConnCAN ranked MSMHS #1 high school in CT with a grade of an 'A' for overall performance in 2012
- Named a US News & World Report Silver Medal High School
- Ranked 9th Most Challenging HS in CT by Washington Post

Graduation Requirements: Total 25 credits

English	4.0	Aquaculture	1.0
Social Studies	3.0	PE/Health	1.5
Mathematics	3.0	Portfolio	1.0
Science	5.0	Humanities	1.0
Marine Science	2.0	Electives	3.5

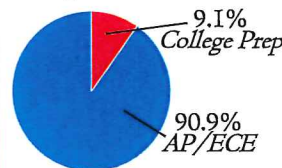
Students must meet academic, civic and social competency requirements through successful completion of a capstone portfolio.

Grade Point Average/Class Rank

Students are not ranked except for valedictorian and salutatorian. GPA is cumulative 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 2017 Students Taking AP/ECE Courses



2016 AP Test Score Distribution

Biology, Calculus AB, Chemistry, English Language & Composition, Environmental Science, Human Geography, Psychology, Statistics, US History

1	2	3	4	5
20	41	62	57	32

AP courses are available to juniors and seniors. In 2016, 94 students took a total of 212 AP exams in 9 AP subjects. Moreover, 71% percent of scores were 3 or higher. All AP students are required to take AP exams.

CLASS OF 2017 STANDARDIZED TEST SCORE REPORT

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

2015 CAPT Science Rankings

#	School	Goal %
1	New Canaan High School	87.1%
2	Marine Science Magnet HS	82.6%
3	Simsbury High School	81.8%
4	Ridgefield High School	80.3%
5	Avon High School	79.1

2016 SAT Rankings

Spring 2016 of Junior Year

SAT Section	Score AVG	State AVG	CT Rank
Language Arts	591	520	3rd
Mathematics	542	502	39th

Class 2017 Weighted Cumulative GPA

Total # Students: 69, Highest GPA: 4.41

