

Math and Science Academy

Strives to be an innovative, sustainable model of academic excellence for all students that creates well-rounded, lifelong learners and global citizens.

2021-22 School Profile



Math and Science Academy is a public middle and high school serving students in grades 6-12 located in Woodbury, Minnesota. We provide accelerated and inclusive curricula and instruction in all subjects with an emphasis on math and science. MSA consistently rates in the top 5 of schools in Minnesota.

School Data

Enrollment - 543
2021 Graduating Class - 52
College Bound - 96%

Class Data

Number of Faculty - 37
Average Class Size - 16
AP Enrollment - 85%

College & Career Preparation - Math and Science Academy requires a rigorous curriculum resulting in an average ACT score of 28.8 which well exceeds the state average. All graduating seniors have completed an advanced math progression which includes calculus instruction. Our high school science curriculum provides all students rigorous instruction in biology, chemistry, and physics and the opportunity to take Advanced Placement level for each of these courses. Math and Science Academy values accelerated curriculum in all areas. Our curriculum starting in grade six is accelerated and prepares students for the rigors of Advanced Placement coursework in high school. MSA students begin Spanish language instruction in 6th grade and continue throughout high school. We believe that students need a comprehensive school experience including a wide range of activities and athletics. By exploring of a variety of activities students pursue their talents, abilities, and interests.



#1 Middle School in Minnesota
#2 High School in Minnesota

#1 High School in Minnesota
U.S. News and World Report



Math and Science Academy

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Woodbury, MN 55125
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Interim Executive Director
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MSA students took 146 Advanced Placement tests in 2021. Most colleges will give credit to students when they achieve a score of 3 or higher. Eighty three percent of MSA students scored a 3 or higher. In comparison to MSA ratings, an average of 66.4% students statewide and 58.5% nationally scored a 3 or higher. Because some colleges will require a score of 4 for credit, MSA strives to have students achieve a score of at least a 4 on their tests. Forty three percent of MSA students scored 4 or higher.

2021 AP Exams	Total	% of Students with Passing Score (3 or higher)
Biology	46	76%
Chemistry	8	100%
Physics 1	6	83%
Literature and Composition	15	40%
Psychology	22	91%
US History	9	67%
Calculus AB	18	83%
Calculus BC	8	100%
Statistics	7	86%
Computer Science Principles	1	100%
Music	1	100%
2-D Art and Design	2	100%
3-D Art and Design	1	100%
Drawing	1	100%

ACT Average Composite Score			
Year	MSA	State	National
2020	28.8	21.3	20.6
2019	27.9	21.4	20.7
2018	28.5	21.3	20.8
2017	28.2	21.5	21.0

Minnesota Comprehensive Assessments Percent of Students Meeting or Exceed Standards			
Grade	Math	Reading	Science
6	56%	76%	-
7	72%	83%	-
8	59%	75%	41%
High School	88%	91%	81%

Graduation Requirements

Subject Credits

- English 4.0
- Social Studies 4.0
- Math 3.0 through Calculus
- Science 3.0
- Physical Education/Health 1.0
- Arts 1.0
- Spanish Progression

Total Credits Required 21.5



Sports

Fall	Winter	Spring
Girls Volleyball	Boys Nordic Skiing	Girls Track
Boys Cross Country	Girls Nordic Skiing	Boys Track
Girls Cross Country	Boys Basketball	Girls Badminton
Football	Girls Basketball	Baseball
Girls Soccer		Boys Volleyball
Boys Soccer		



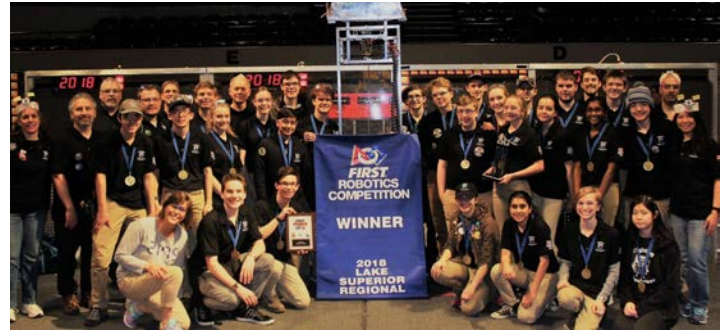
Award Winning Theater Program

Our production of High School Musical was recognized with outstanding honors by the Hennepin Theater Trust's Spotlight on Education. MSA received 10 awards for the production and 12 individual awards. MSA puts on two full theater productions each year and also participates in the One Act play competition.



Robotics Team

FIRST Robotics Competition Team 2175, the Fighting Calculators, is the high school robotics team. The Fighting Calculators were founded in 2006 and the MSA rookie season was 2007. In 2019 our robot, Super Saiyan, placed 2nd in the state and in 2018 we took first place in Minnesota. MSA also offers different middle school robotics options FLL and FTC.



Clubs

Math League, Academic Triathlon, Lego League, GSA, Choir, Jazz Band, Show Choir, Orchestra, Computer Club, Social Justice Club, Africa Club, Spanish Club, Chess Club, Art Club, Battle of Books, Earth Club, Physics Club, Biology Club, FTC, Business Club, Science Club, and SWEnext Club.



Postsecondary Enrollment Options (PSEO)

Many Math and Science Academy students participate in postsecondary enrollment options (PSEO), a program that allows Sophomores, Juniors, and Seniors to earn high school and college credit while still in high school. This is done through enrollment and successful completion of college-level courses at eligible participating postsecondary institutions. PSEO students attend classes on the campus of the postsecondary institution or participate online.

Vision

To be an innovative, sustainable model of academic excellence for all students that creates well-rounded, lifelong learners and global citizens.

Mission

We provide accelerated and inclusive curricula and instruction in all subjects with an emphasis on math and science.



Math and Science Academy Board of Directors

Name	Role	Representing
Dan Ellingson	Chair	Parents
Maggie Burggraaff	Vice Chair	Teachers
Cody Schniepp	Treasurer	Community
Jennifer Bartle	Secretary	Parents
Michelle Kurkoski	Director	Teachers
Jeff Eng	Director	Community
Annie Cardenas	Director	Teachers
Erik Fair	Director	Parents
Sandi Overson	Director	Teachers
Sydney Weschecke	Ex-Officio	Students
Cecelia Dodge	Ex-Officio	Executive Director



Strategic Priorities

Success for All Students

Organizational Support Framework

School Expansion



MSA Core Values

Honesty

Community

Respect

Teamwork

Excellence

