

What is the Academy of Aerospace and Engineering?

The Academy of Aerospace and Engineering is an exciting program for students in grades six through twelve. The Academy is focused on a **Science, Technology, Engineering and Math (STEM)** theme, but also has strong humanities and arts programs. The Academy Middle School program is dedicated to helping each student become prepared for a rigorous High School experience.

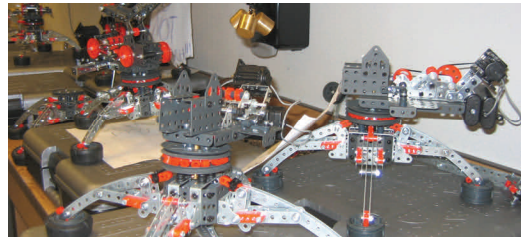
Is the Academy of Aerospace and Engineering right for me?

Academy students are students who:

- Have a strong interest in science, technology, engineering, and mathematics
- Look to be challenged in rigorous classes
- Take an active part in their learning and are willing to work hard
- Enjoy hands-on interactive learning experiences
- Do well in math classes
- Seek a supportive, small school setting
- Desire to be part of a diverse student body



Design, build, and test a rollercoaster! Learn how to apply your science lessons to real world applications from industry engineers.



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ACADEMY OF AEROSPACE AND ENGINEERING

1289 Blue Hills Avenue
 Bloomfield CT 06002
 Phone: 860-243-0857
 Fax: 860-286-2842
 AAE-info@crec.org

Open House Dates

Thursday, October 20th 2011, 6:30 to 8:00 p.m.
 Saturday, November 12th 2011, 10:00 to 11:30 a.m.
 Tuesday, December 6th 2011, 6:30 to 8:00 p.m.
 Saturday, January 14th 2012, 10:00 to 11:30 a.m.

ACADEMY OF AEROSPACE AND ENGINEERING

Excellence in Education

Academy of Aerospace and Engineering

A Full-Day Program for Grades 6-12

Middle School Program Information



How to Apply to the Academy

Applications are made through the Regional School Choice Office:
www.choiceeducation.org
 165 Capitol Avenue, Room 270,
 Hartford, CT 06106
 860-713-6990

AEROSPACE MIDDLE SCHOOL PROGRAM

What does the Academy of Aerospace and Engineering offer that makes it unique?

- Focuses on skills and experiences in Science, Technology, Engineering and Math (STEM) fields
- Prepares students for a rigorous High School experience through teamwork and problem solving activities
- Hands-on science curriculum where students do authentic science experiments
- State-of-the-art technology for learning in all classrooms
- A diverse student body from over 35 cities and towns in the Greater Hartford Region
- Small school with a highly dedicated staff, caring teachers, and supportive student body
- Students across all grades complete highly specialized courses that focus on theme related experiences. These include many hands on activities such as experimenting with hydrogen fuel cells, building marshmallow catapults, and many other designing-to-build engineering projects.

What does a typical day at the Academy look like?

Middle School students focus on building the foundations for success in our high school program. Middle School day runs from 8:00 am to 3:30 pm. The schedule has six academic periods and an Arts block. A typical schedule this year is:

Breakfast	Breakfast to start the day out right
Period 1	Mathematics
Arts Block	Arts classes
Period 2	Social Studies
Period 3	Physical Education or Theme-Based Aeronautics and Engineering
Lunch	Refuel to complete the day
Period 4	Language Arts
Period 5	Science
Period 6	Reading or Spanish

- Academic rotation includes:
 - Math, include sixth grade math through algebra 1 and honors geometry
 - Science courses are hands-on and experiment based
 - Social studies with an emphasis on writing
 - Language arts and reading
 - Physical education and arts rotation
- Specialized curriculum in grades six through eight including:
 - Aeronautics curriculum that introduces student to the fundamentals of aeronautics and aerospace
 - Engineering projects that introduce students to the engineering design process