

STEM Academy Application 2017-2018

Application Deadline:

Last Name	First Name	Current School
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STEM Pathway and Description

Students will engage in real-world, project-based learning experiences that integrate traditional science and math curriculum using non-traditional methods. Students will train to learn and work within a team-based structure. The projects and problems that students work to find solutions to will range from predetermined challenges to industry driven partnerships. Students enrolled are required to be self-motivated, cooperative learners.

If accepted, you will be enrolled in the following courses according to your grade level as well as an Academic Center.

Grade	Science	Math
9	STEM Earth Science	STEM Algebra I
10	STEM Earth Science	STEM Geometry
11	STEM Physics	STEM Algebra II
12	STEM Research and Design	STEM Technical Math

Prerequisites

Circle your grade level for the 2017-18 school year. You must have fulfilled both the science and math prerequisites listed for your grade level to be considered for the STEM Academy.

Grade 2017-2018	Science	Math
9	8 th grade science	8 th grade math or Algebra I
10	Biology credit	Algebra I credit
11	Biology and Chemistry or Physics Credit	Algebra I and Geometry credit
12	Biology and Chemistry or Physics Credit	Algebra I, Geometry and Algebra II credit

Note: If you have not fulfilled these requirements you may still be considered for the STEM Academy.

Recommendations

In order to be considered for the STEM Academy you must have two (2) teachers willing to be contacted by the STEM instructors. One (1) math or science teacher and one (1) teacher of your choice. These teachers will be emailed a form to complete on your behalf.

Name	Signature	Subject
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Self Evaluation

On a scale of 1-5 with 1 being the lowest and 5 being the highest, rate yourself in each of the following categories. Place a check in the most appropriate box.

	1	2	3	4	5
Academic Motivation					
Sense of Responsibility					
Leadership Qualities					
Study/Work Habits					
Ability to get along with others					
Overall attitude towards school					
Interest in STEM careers (engineering, biomedical, computer programming, audio visual, etc.)					

Essay Questions

The Waterford STEM Academy is seeking highly motivated students who have a passion in the particular area of STEM. Please handwrite your response in the space provided and sign on the line below acknowledging that this is your own work.

1. What do you expect to gain by completing the STEM Academy and how will this program influence your future?
