



We are thrilled to learn that you are interested in applying for the 2017-2018 STEM Academy! Students who will be entering grades 11th and 12th from outside the Waterford School District are welcome to apply. All of the necessary forms can be found by clicking on the links below.

In order to apply for this fantastic learning opportunity you will need to provide the following items:

_____ [Completed STEM Application](#)

_____ [Completed School of Choice application packet](#)

_____ Two Recommendation Letters (employer, coach, teacher, pastor, neighbor, etc)

_____ Current Transcript (you can obtain these from your current high school)

_____ Current Standardized Assessment Scores if available ([PSAT](#), [SAT](#), M-STEP, WIDA, NWEA, iReady)

When completed, please return your application materials to:

Central Enrollment
Kurzman Administration Services Crary Campus
501 N. Cass Lake Rd.
Waterford, MI 48328

Completed applications can also be dropped off in person at the same address between the hours of 7:30-4:30 daily.

Once your written application has been reviewed, you will be contacted to set up a time to complete an NWEA online assessment if necessary. For more information about the STEM Academy, or to tour the facilities, please contact Elizabeth Kutchey at 248-618-6778 or kutche01@wsdmi.org

WATERFORD SCHOOL DISTRICT 2017/2018 SCHOOLS OF CHOICE APPLICATION
STEM ACADEMY – GRADES 11 & 12TH ONLY

Student Name: _____
(Last) (First) (Middle)

Street Address: _____ City: _____ Zip: _____

Home Phone #: _____ Cell #: _____ Work #: _____

Parent(s)/Guardian(s) email address: _____

Student's Birth Date: _____ Male Female 11TH Grade 12th Grade

Parent/Guardian Name (Please print): _____

Does the student have a parent who resides within the boundaries of the Waterford School District? Yes No

Other siblings applying? Yes No How many? _____ Siblings currently attending? Yes No

If yes, what grade level _____ and building _____

Does student speak English? Yes No If no, what language does the student speak? _____

Primary Language spoken in the home, if other than English? _____

Does this student have any special needs? (Please list in detail special classes and support services, i.e., speech, special education, 504, gifted/talented: _____

SCHOOLS OF CHOICE GUIDELINES ARE ATTACHED TO THIS APPLICATION

NOTE: *Not all buildings will have space available for Schools of Choice, therefore, please indicate your preferences.*

1st Choice: _____ 2nd Choice: _____

Will you accept a placement in a different Waterford School? Yes No

By signing below I certify all of the information provided above to be true, and I acknowledge and accept the policies and stipulations of the Waterford School District Schools of Choice program. I understand untrue or incomplete information will result in the removal of the applicant from Waterford School District programs. I give permission to the Waterford School District to contact my student's previous school regarding their disciplinary record.

Parent/Guardian Signature: _____ Date: _____

ADMINISTRATION

Building Placement: _____ Grade: _____

School District Administration: Approved Denied

Administrative Signature: _____ Date: _____

Return to: Waterford School District – Central Enrollment – Phone: 248-681-2076 Fax: 248-681-2193

STEM Academy Application 2017-2018

Application Deadline:

Last Name **First Name** **Current School**

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.

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?

2. Explain something you have done or participated in that illustrates your passion for science, technology, engineering, and/or mathematics.

Design Element

Imagine you arrive to class and your teacher proposes the following design challenge: “Using 20 sticks of spaghetti, 1 meter of tape, 1 meter of string, and 1 marshmallow you will have two days to construct the tallest free standing tower.”

In order to demonstrate your critical thinking, problem solving, and communication skills please describe your design process below. There is no right or wrong answer to this question. We’re just interested in your thinking.

Required additional items:

In order to be considered for the STEM Academy you must include one letter of recommendation, transcripts, most recent available PSAT scores and discipline history.

Parent Signature _____

Date _____

Student Signature _____

Date _____

Please return your application to:

Waterford School District

Attn: Elizabeth Kutchey

501 Cass Lake Road

Waterford, Mi 48328

If you have any questions please contact Elizabeth Kutchey at 248-618-6778 or kutche01@wsdmi.org