

STEM Academy Application 2018-2019

Application Deadline:

| | | | |
|-----------|------------|----------------|-----------------|
| Last Name | First Name | Current School | 2018-2019 Grade |
|-----------|------------|----------------|-----------------|

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 and transcript, as well as an Academic Center.

| Grade | Science | Math |
|-----------------|--------------------------|-----------------------------------|
| 9 | STEM Earth Science | STEM Algebra I |
| Prerequisites : | N/A | N/A |
| 10 | STEM Biology | STEM Geometry |
| Prerequisites : | Earth Science | Algebra I |
| 11 | STEM Physics | STEM Algebra II |
| Prerequisites : | Biology | Algebra and Geometry |
| 12 | STEM Research and Design | STEM Technical Math |
| Prerequisites : | Biology and Physics | Algebra, Geometry, and Algebra II |

Note: If you do not fall into one of the categories listed above you may still be eligible for the program. For example, if you are advanced in math you are still eligible. Please talk to your counselor or email us at STEM@wsdmi.org for more information about course offerings.

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 |
|------|-----------|---------|

| | | |
|------|-----------|---------|
| Name | Signature | Subject |
|------|-----------|---------|

For more information please contact us at STEM@wsdmi.org.

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?
