

UPPER SCHOOL STEM – *from Mrs. Bartick*

Mind bender



LAST CALL FOR JUNIORS THINKING ABOUT STEM DISTINCTION! Come see me if you were thinking of submitting an application.

My **Intro to Engineering** class has guest speakers scheduled during **A block** for many of the remaining weeks this semester. We will be hearing from electrical, environmental, software, and naval engineers, plus someone from the Army Corps of Engineers. If you have A block free and are interested in any of these presentations, let me know and you can join us.

Space Weather Underground is coming to NYA

In a collaboration with UNH, teams of students will be building magnetometers to become part of a network of these devices around New England. Wonder what a magnetometer is? Read more [here](#).

Can you find all of the patterns that fit the rules on the right? Each answer has three shapes, & there is more than one right answer. The first person to send me the right answers gets a prize.

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|--|--|--|-----------------------------------------------------------------------------------------------|
| | | | 1 – 1 One of the triangles is in the solution, and it is in the same location. |
| | | | 1 – 0 One of the squares is in the solution but not in the same location. |
| | | | 1 – 0 One of the circles is in the solution but not in the same location. |
| | | | 2 – 1 Two of the figures are in the solution, but only one is in the same location. |

Check out page two for **summer programs and internships**, **STEM challenges** (that have prizes!), and **career exploration** opportunities.

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| If you are interested in... | contributing to an authentic NASA mission | ...then consider... | applying to be a NASA intern NASA Internship |
| | being paid to learn about genomics in a beautiful national park | | Jackson Lab's Summer Student Program |
| | hands-on ocean science research | | The Keller Bloom Program for Maine students |
| | an exploratory engineering program that could lead to a full scholarship at UMaine | | The Maine Pulp and Paper Foundation's Consider Engineering summer program |
| | an internship conducting research and developing technology | | The MERITS program through the Maine Space Grant Consortium |

Explore STEM Career Options

- [Inside Medicine Club](#), exploration of health care careers
- [Experience USM](#) to learn more about different majors through Zoom webinars

Participate in a STEM Challenge – come ask me about any of these!

[Maine App Challenge](#) – Design an app for a mobile phone, win a scholarship.

[BioME Student Showcase](#) – Present life science research to a panel of judges and win prizes.

[Samsung Solve For Tomorrow](#) – Show how STEM can help your community, win \$ and prizes.

[Maine State Science Fair](#) – Pick something you like, I will help you make it into a project. Scholarships!