

engineering explorer

Programs

Sponsored by Lockheed Martin Rotary and Mission Systems

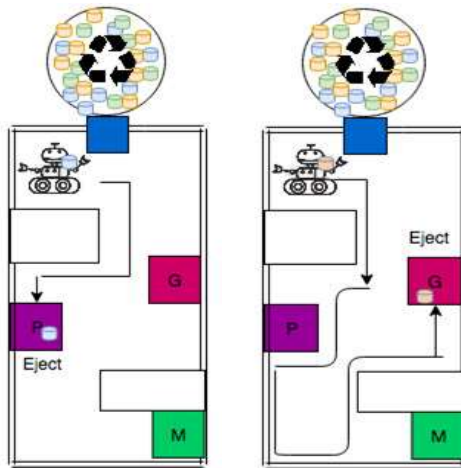
Create your own....

Autonomous Recycling Sorter

Recycling Sorter will differentiate between:

- Plastic
- Metal
- Glass

The sorter will identify the correct item to autonomously drive in an arena to deposit the recyclable material into the respective bin.



Goal: Build the best system and recycle the most items to win!

Open to all high school students (grades 9-12)

REGISTRATION IS REQUIRED!

SPACE IS LIMITED

Deadline to Register: October 19th

To register and receive facility access information, go to:

www.TiogaExplorers.com

LOCKHEED MARTIN





All local area high school students (grades 9-12) studying Science, Technology, Engineering or Math (STEM) are invited to be part of the Engineering Explorer Programs at Lockheed Martin Rotary & Mission Systems (RMS) in Owego, NY. The goal of this coed program is to provide a better understanding of career opportunities in engineering, science and business through hands-on projects, facility tours, guest speakers and discussions.

The upcoming project for 2018-2019 will be to design and build an autonomous recycling sorter. Students will experience the engineering design process from the ground up, including brainstorming, documenting, prototyping and constructing a design of their choice that will bring together multiple engineering disciplines. Each recycling system will compete in a series of challenges and a competition to determine the best design!

The group will meet on the Second and Fourth Tuesdays of each month through the end of May. Adult advisors will be present at each meeting to assist students with projects and to guide discussions. There is a registration fee of \$25, payable online or by mail and due by the first meeting. Spaces are limited and are available on a first-come, first-served basis.

An organizational meeting for interested students, friends and parents will be held to kick-off the year. An email will be sent out to the registered personnel with the time and location of the meeting. This meeting will provide an overview of the program, including the Lockheed Martin staff and resources that support the program. Students will also have the chance to ask questions and share topics of interest.

All attendees must pre-register for this meeting (including LM employees) **no later than October 19th**. To pre-register and receive facility access information, go to:

www.TiogaExplorers.com

and follow the link to register.

For any additional questions about the program or registration process, please contact:

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