



All local area high school and students transitioning to high school in the fall (grades 9-12) studying math or science are invited to be part of the Summer Software Outreach Program at Lockheed Martin Rotary and Mission System (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.

This summer we will be offering two parallel classes, both starting in July and running through August. The first class track is the beginner class focused on the building blocks of software. This will be taught through projects that are open-ended and allow creativity to allow students to move at their own pace and challenge themselves. We will have projects that focus on simple graphics, mathematics and physics, and state machines. The second track will be the intermediate class looking at more advanced programming concepts and some theory taught through a series of challenges. We will be programming in Python, a powerful high-level programming language that is easy to learn and free to use, and used at many companies, including Lockheed Martin. No programming experience needed for the beginner course and some previous exposure to programming, such as prior completion of the beginner course, suggested for the intermediate class.

The group will meet on **Every Tuesday** from July 10th and will end on August 28th, 2018. Adult advisors will be present at each meeting to assist students with projects and to guide discussions. There is a registration fee of \$10, payable by check at the first meeting; please make checks payable to "Tioga Explorers". 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 on **Tuesday, July 10th, from 6:00 p.m. to 8:00 p.m. at the LM RMS Owego facility, Main Lobby**. This meeting will provide an overview of the program and the Lockheed Martin staff and resources that support the program. Students will also have the chance to ask questions and share topics of interest. Time allowing, we will jump right into the lessons during this initial organizational meeting to make the most of the time the course is scheduled for.

All attendees must pre-register for this meeting (including LM employees). To pre-register and receive facility access information, go to:

www.tiogaexplorers.com/ssee/register.html
and fill in all required information to register.

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

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