



Summer@IMSA 2017 Metro East Area

*Discover the Possibilities with IMSA
Summer Enrichment Programs!*

STEMvironment, Metro East (Students entering Grades 3-4)

Get your green on as you explore how STEM (Science, Technology, Engineering, and Math) is a part of everything around us. This program will give your student an integrated exposure to the various STEM fields and how they can be applied within an environmental context. Explorations will include hand-on activities on the chemistry of recycling, solar and water power, and energy transfer. The week will culminate in an environmental engineering project where students will use these real-world STEM concepts to design, build, and improve their own energy-efficient house.

E²: Engineering Explorations, Metro East (Students entering Grades 5-6)

Design, tinker, build, test---then do it again! Working in teams, participants will engage in hands-on activities as they explore the engineering design process through electrical, chemical, and biomedical engineering! Students will design, build, and race boats, experiment with the chemical engineering behind solar homes, perform a calculator dissection to understand circuits from the inside out, and tackle the concept of robotic surgery as they make their own Bristlebot!

Micro STEM, Metro East (Students entering Grades 7-8)

Did you know that some of the smallest things in our universe are also some of the most powerful? From microwaves, to molecules, to circuits and code, this program will take a hands-on approach to exploring the STEM of tiny things. Students will gain a greater understanding of the small underpinnings of everything around us. What's behind the flip of a switch? What is life made of? How can we make sense of the things we can't see? This program will harness the power of smartphones and innovative scope lenses to help students answer these questions and more!

Three weeks to choose from! Pre-registration is required. Visit: www.imsa.edu

June 19-23: BelleValley School, Belleville

Time: 8:30 a.m. – 3:00p.m.

July 10-14: Civic Memorial High School, Bethalto

July 24-28: BelleValley School, Belleville

Cost: \$350 per student

Registration deadline: May 31, 2017. Scholarship application deadline: May 15, 2017

Limited number of scholarships available, courtesy of Scott Air Force Base S.T.E.M. Advisory Group

Scholarship applicants need only meet 1 of 3 criteria to be considered:

(1) Military-affiliation (2) Financial need (3) Resident of the MetroEast

For more information, contact Dawn Waller: 618.791.3855 or dwaller@imsa.edu