

Summer STEM

with Illinois Mathematics and Science Academy

In partnership with Scott Air Force Base STEAM Advisory Group and Edwardsville, O'Fallon, and BelleValley School Districts, IMSA announces its 2019 Summer@IMSA programs!

JUNE 10 - 14, 8:30 A.M. – 3:00 P.M.

Lincoln Middle School, 145 West Street, Edwardsville

JUNE 24 - 28, 8:30 A.M. – 3:00 P.M.

O'Fallon Township High School, 600 South Smiley, O'Fallon

JULY 15 - 19, 8:30 A.M. – 3:00 P.M.

Belle Valley School, 2465 Amann Drive, Belleville

COST: \$295 (Does not include lunch.)

The curriculum for IMSA student enrichment programs are created and developed by IMSA curriculum writers. Each of the programs below are new for 2019! We are so excited to provide your child with new challenges and adventures. Come join us!

Because we know that summer STEM needs to be fun and engaging, we tap into each child's natural desire to experiment and explore through hands-on activities that give them the opportunity to ask questions, make discoveries, and test those discoveries in the search for new understanding. Our inquiry-based programs mirror the enterprise of doing real science.

Makey Lab

For students entering grades 3 or 4

Calling all mini-Makers! Have you ever wanted to design and assemble your own toy? Light up your creations? Build a merry-go-round or waterslide? Students will hone their inquiring, designing, creating, and building skills on multiple engaging projects. Throughout the week they will be learning about circuits, physics, engineering, and even coding a dance that other students will perform. So put on your thinking caps and come join us Makers!

Space & Weather

For students entering grades 5 or 6

IMSA's weather forecast for Summer 2019...? "Cloudy with a chance of meteors!" We are hosting a camp that will explore the space and weather phenomena that have fascinated humans for centuries. Students will have to "think like an astronaut (or aerospace engineer or meteorologist)" in order to take on a series of space/weather-related challenges including how to design space gear that can withstand the harsh environs of outer space, capture lightning in a bottle, and use chemical reactions to launch rockets. Along the way, there will be some close encounters with glowing galactic goo, swirling satellites, and helpful hovercrafts. Come join us for a week that will be out-of-this world!

Oceanography

For students entering grades 7 or 8

What does it take to be a marine scientist? Become an ocean explorer with us during our brand new ocean-themed STEM experience! Students will model fascinating ocean-phenomena like bioluminescence and underwater icicles! They will also perform dissections of marine creatures (including a squid) and engineer their own submarine! If you're ready - dive in!



Summer is prime time for us to extend the Academy's mission of "igniting and nurturing creative, ethical, scientific minds that advance the human condition," inviting not just IMSA students but young people from around the area and state to experience IMSA STEM.

Support for student scholarships has been generously provided by the Scott Air Force Base STEAM Advisory Group. Limited scholarships are available for students who meet the scholarship criteria. Scholarship applicants need only meet 1 of 3 criteria to be considered: (1) Military-affiliation, (2) Financial need, (3) Resident of the MetroEast area. Scholarship applications must be completed by May 1 for consideration. Space in these programs is limited and registration closes May 31.

For more information on these summer programs or to register, visit imsa.edu/summeratimsa or call 618.791.3855.