



# Summer STEM

with Illinois Mathematics and Science Academy

**JUNE 6 - 10 8:30 a.m. - 3:00 p.m.**

BelleValley School, 2465 Amann Drive, Belleville

**JUNE 20 - 24 8:30 a.m. - 3:00 p.m.**

Lincoln Middle School, 145 West St., Edwardsville

**JULY 11 - 15 8:30 a.m. - 3:00 p.m.**

Fulton Junior High School, 307 Kyle Rd., O'Fallon

In partnership with Scott Air Force Base STEAM Advisory Group and Edwardsville, O'Fallon, and BelleValley School Districts, IMSA announces its 2022 Summer@IMSA programs!

Summer is the prime time for us to extend the Academy's mission of *igniting and nurturing creative, ethical, scientific minds that advance the human condition*, inviting young people from around the MetroEast and St. Louis areas to experience IMSA STEM.

The curriculum for IMSA student enrichment programs are created and developed by IMSA curriculum writers. Each of these programs are new for 2022! 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!

## Dream City

**For students entering grades 3 or 4**

Cities have long been a place where people go to make their dreams happen! Learn the science behind the engineering and design that goes into urban planning! Students will be introduced to civil engineering and architectural concepts as they design & create skyscrapers, bridges, & windmills! What will your Dream City be? Will it be the "Bright Lights, Big City" type, or perhaps some sort of Polka-dotted Plant Paradise, or maybe a Zootopia-like metropolis where citizens of all sizes roam the streets freely? The sky's (literally) the limit and we can't wait to see where your imagination takes you!

## Mission Impossible

**For students entering grades 5 or 6**

Work with a team of spies-in-training throughout the week to complete missions that will help you learn the skills necessary to become a super science spy. You will learn how to look like a spy by creating your own movie special effects using chemistry, engineering, and physics. You will learn how to think like a spy by deciphering codes and solving puzzles. Then you will put all your skills to use by planning and creating an "impossible" escape room with your team that will be tested by your fellow spies.

## Extreme Engineering Explorations

**For students entering grades 7 or 8**

Design, tinker, build, test---then do it again, but let's take it to the next level! Elevate your engineering skills by deeply exploring an array of engineering fields through a series of action-packed hands-on activities. Design & build a solar charger for your cell phone. Create the fiercest battle-bot using hydraulics & pneumatics & then test your bot in an ultimate battle royale. Ideate & develop a unique gaming app that can potentially rival Candy Crush or Flappy Bird in its addictiveness. And, explore aerospace engineering concepts such as forces, rocket anatomy, & Newton's Laws of motion as you build & launch your own model rocket! These activities are sure to get you thinking & working like an engineer!



**COST: \$385 (Does not include lunch.) Registration closes two weeks prior to each program start date. Two types of scholarships are available: financial need or military affiliation. Apply early! Scholarships are awarded on a first-come, first-served basis**

**Register or apply for a scholarship at:**  
**[imsa.edu/summeratimsa](https://imsa.edu/summeratimsa)**  
**(Webpage best viewed on a computer)**  
**Questions?**  
**618.791.3855      [dwall@imsa.edu](mailto:dwall@imsa.edu)**

## 2022 Summer @ IMSA Scholarship Application Process for Belle Valley School District:

1. Parent visits IMSA website <https://imsa.edu/centers/stem-enrichment-programs/summerimsa/>. ***It must be viewed on a computer.***
2. Parent selects the appropriate grade level tab (grade that student will be entering in the Fall).
3. Parent finds and selects the week/location labeled: June 6-10: BelleValley School, Belleville
4. Parent clicks on the ***Apply Now!*** link in the **Scholarship Application** column
5. Parent is directed to Active (IMSA's registration database) and will be prompted through steps to set up an account and complete the scholarship application.
6. Parent will *immediately* receive an email from Active with further directions to submit the following forms, which are **due by May 30**:
  - a. **Student Essay**: 4-5 sentence paragraph written by student indicating why they are interested in STEM and what they hope to get out of a Summer@IMSA camp. Student can type directly into the online template within the Active account or hand-write/type essay, which parent will then upload into Active account.
  - b. **Proof of Financial Need**: Parent obtains documentation from school administrator, SNAP, OR 2020/2021 tax return listing income and uploads it into their Active account.

**SCHOLARSHIP APPLICATION DEADLINE IS May 30, 2022. PLEASE NOTE: There are a limited number of scholarships. They will be awarded on a first come, first served basis. Student must be willing to attend all five days of the summer program.**

- ALL SUPPLEMENTAL DOCUMENTS MUST BE UPLOADED INTO PARENT'S ACTIVE ACCOUNT BY **MAY 30, 2022**.
- If selected to receive a scholarship, parents will be notified no later than June 1<sup>st</sup> and will be required to pay a \$30 scholarship processing fee.

Questions? Need assistance with the scholarship application process? Contact Dawn Waller, [dwaller@imsa.edu](mailto:dwaller@imsa.edu), 618-791-3855

