



Summer Schedule 2019

Program Name	Schedule	Ages	Cost
Jr. Lego Robotics	Tuesdays, 5:30 – 7:00 P.M. June 11 th – August 6 th	5 – 8 years	\$100
Lego Club	Tuesdays, 5:30 – 7:00 P.M. June 11 th – August 6 th	8 years and up	\$100
Lego Workshop (3 days)	July 10 th – 12 th 9:00 A.M – 4:00 P.M	8 years and up	\$60
Mental Math	new batch starting	Ages 5 – 12 years	\$100 / month
SAT / ACT At IMA & Carver Center	Wednesdays, 3:30 – 5:00 P.M. June 18 th – August 20 st	High school students	Varies (Depends on Location)

Illinois Math Academy's vision is to offer programs to encourage children in the Peoria area to explore all the possibilities in the STEM field. We offer the following programs:

1. Mental Math:

The Mental Math program is a brain development program that stimulates the brain by teaching children to perform mental calculations quickly and accurately without the use of any electronic tools. Our students, typically aged 5 to 13, are guided to develop and use their mental faculties more fully.

- This program stimulates both the right and left sides of the brain. While the left side is used for logical calculation, the right side is working to visualize the calculation. Therefore, the brain is trained to become more flexible and effective.
- Mental Math combines the ancient teaching tool – the Abacus – with modern instructional expertise to stimulate child development and whole brain development while promoting learning, especially math, as fun and exciting
- The training will also lead to the development of the right brain as learners would be using their right brain to create an image memory while performing the calculations mentally. .
- This program fosters active learning and activates key cognitive functions such as memory, attention, perception, symbolic learning and reasoning.

2. Lego Robotics



- Design and build a challenge-related model using LEGO components.
- Create a Show-Me poster and practice presentation skills.
- Discover real-world math and science.
- Begin developing teamwork skills.
- Engage in team activities guided by Jr. FLL Core Values.



- Strategize, design, build, program, and test a robot using LEGO MINDSTORMS® technology.
- Apply real-world math and science concepts.
- Develop life skills including critical thinking, time management, collaboration, and communication while becoming more self-confident.
- Learn programming the Robot and compete in Lego tournaments
- Engage in team activities guided by FLL Core Values.

3. Girls Who Code Program (6th – 12th grade):

Together with leading educators, engineers, and entrepreneurs, Girls Who Code has developed a new model for computer science education. It pairs intensive instruction in robotics, web design, and mobile development with high-touch mentorship and exposure and is led by the industry's top female engineers and entrepreneurs.

4. IoT (Internet of Things) (6th – 12th grade):

This is the program which offers new technologies and exposes children on what is happening in IoT, cloud computing etc. Children will have an opportunity to work with Raspberry Pi, Arduino board and various types of building blocks of IoT devices. They will have an opportunity to learn latest language and simple web-design etc.

5. App Development (ages 15-19):

This is the entrepreneurial program for students who are interested in pursuing their tech dreams and may start their own business down the road. They will have an option to develop an App to solve a real-life problem. They will be provided with required tools and training to develop their App. They can come up with their own idea or pick one from the list we have at IMA. Program for students to work within their own business team.

For Additional Details Please Contact:

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<https://www.facebook.com/IMaIllinoismathacademy/>

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Non-profit Organization helping Central Illinois Children