

ENGINEERING FOR KIDS

We Make Learning Fun!

Register at louisville.edu/speed/outreach



Grades 3rd-5th

Name of the Camp	Date	Time	Overview	Participants	Location	Cost
App Development	July 8th-12th	8am-2pm	Campers will work with a certified app developer to design android apps. This camp will focus on the programming, coding and design pieces of app development. Campers will get to design both a pre designed app to ensure they have the knowledge of development and then create their own. <i>Please have your student bring their own tablet or Android device.</i>	3rd-5th Grade (Limit 24)	Engineering Garage	\$275 Register March 3rd
LEGO EV-3 Robotics Elementary	July 22nd-26th	8am-2pm	Students will learn to build and program LEGO's intelligent EV3 brick using interactive servo motors, remote control, infrared and color sensors. Intuitive software with i-con based drag and drop programming interface will bring the EV3 to life.	3rd-5th Grade (Limit 24)	Engineering Garage	\$275 Register March 3rd

Grades 5th-6th

Name of the Camp	Date	Time	Overview	Participants	Location	Cost
Basic Coding	June 10th-14th	8am-2pm	Students will receive an activity based introduction to the basics of coding and programming. Hands-on activities using inter-active devices are included in the "tool-kit" that the students use and take with them. <i>No previous coding skills necessary, however basic computer skills will be helpful. Please have students bring a laptop to the Basics Coding Camp.</i>	5th-6th Grade (Limit 24)	Engineering Garage	\$275 Register March 3rd

Grades 6th-8th

Name of the Camp	Date	Time	Overview	Participants	Location	Cost
Drones for Middle School	July 8th-12th	8am-2pm	Campers will engage in the UAS industry through a "learn, build, fly, and create" approach. This approach dives deeply into every component of STEM, catalyzing students to develop critical cognitive skills through a hands-on, team approach. Drones have a tremendous 'cool' factor, yet require a solid grasp of the fundamentals across many disciplines to design, build, and operate.	6th-8th Grade (Limit 24)	Engineering Garage	\$275 Register March 3rd

Grades 6th-8th

Name of the Camp	Date	Time	Overview	Participants	Location	Cost
LEGO EV-3 Robotics Middle School	June 10th-14th	8am-2pm	Students will learn to build and program LEGO's intelligent EV3 brick using interactive servo motors, remote control, infrared and color sensors. Intuitive software with i-con based drag and drop programming interface will bring the EV3 to life.	6th-8th Grade (Limit 24)	Engineering Garage	\$275 Register March 3rd
Advanced Coding Camp 6-8th	June 24th-28th	8am-2pm	Note: Must have basic to intermediate coding experience! This camp will focus on advanced coding using an Arduino kit. Please have students bring a laptop to Advanced Coding Camp.	6th-8th Grade (Limit 24)	Engineering Garage	\$325 Register March 3rd
App Development	July 15th-19th	8am-2pm	Campers will work with a certified app developer to design android apps. This camp will focus on the programming, coding and design pieces of app development. Campers will get to design both a pre designed app to ensure they have the knowledge of development and then create their own. <i>Please have your student bring their own tablet or Android device.</i>	6th-8th Grade (Limit 24)	Engineering Garage	\$275 Register March 3rd
Drones for Middle School	July 15th-19th	8am-2pm	Campers will engage in the UAS industry through a "learn, build, fly, and create" approach. This approach dives deeply into every component of STEM, catalyzing students to develop critical cognitive skills through a hands-on, team approach. Drones have a tremendous 'cool' factor, yet require a solid grasp of the fundamentals across many disciplines to design, build, and operate.	6th-8th Grade (Limit 24)	Engineering Garage	\$275 Register March 3rd
3D Printing	July 22nd-26th	8am-2pm	Imagination meets production in this hands-on summer camp. Join us this summer and learn to use a basic 3D computer added design software to create 3D plastic models. Students will participate in a design competition and get to take home what they print at the end of the week. <i>No prior experience is needed to participate in this camp.</i>	6th-8th Grade (Limit 24)	Engineering Garage	\$275 Register March 3rd

Grades 7th-8th

Name of the Camp	Date	Time	Overview	Participants	Location	Cost
Beginner Coding Camp for 7th-8th	June 17th-21st	8am-2pm	Students will receive an activity based introduction to the basics of coding and programming. Hands - on activities using inter-active devices are included in the "tool-kit" that the students use and take with them. <i>No previous coding skills necessary, however basic computer skills will be helpful. Please have students bring a laptop to the Basics Coding Camp.</i>	7th-8th Grade (Limit 24)	Engineering Garage	\$275 Register March 3rd