

CAMP SmartLab

COURSE OFFERINGS

Introduction to Robotics Grades 4-8 \$129

June 4th – June 8th 8:00-11:30 (20 student limit)

Come explore the exciting world of robotics where you will build and program your very own robot to complete a variety of challenges. Using the popular Lego EV3 robotics platform you will build and program a variety of robots of your choice. Using the new VEX IQ system you will build and control an R/C robot to compete in an exciting challenge.

*If your student took this class last summer we can customize an advanced option for them. Please indicate on registration form that this is your request.

Graphic Design/CAD 3D Grades 4-8 \$144*

June 4th – June 8th 12:00-3:30 (20 student limit) *includes \$15 supply fee

Come make your very own customized t-shirts, buttons, posters, notebooks, stickers and more! You will learn how to use professional graphic design techniques and software including Adobe Illustrator, Adobe Photoshop and Corel Draw to name a few. Try your hand at the professional Wacom graphics tablet to design and bring to life your own creations. Learn how to use a professional 50 watt laser engraver to design and engrave unique items such as dog tags, key chains, pens and more. You will also learn basic 3D design elements as you design and print your own 3D objects.

Engineering and Electronics Grades 4-8 \$129

June 11th – June 15th 8:00-11:30 (20 student limit)

In this fun and hands-one STEM class you will build and test a variety of rockets and engineering models. Some fun things you will be doing:

- ❖ Build your own Rube Goldberg inspired Crazy Contraption.
- ❖ Design and build a motorized wiggling contraption. Make it hop, flip, spin, wiggle, jiggle or draw!
- ❖ Design and build your own electronic “bug” that buzzes and roams around room.
- ❖ Engineer an electromagnetic crane and mini wind turbine.
- ❖ Plus even more as time permits.

Intro to Programming for Kids Grades 4-8 \$129

June 11th – June 15th 12:00-3:30 (20 student limit)

Come learn basic programming and coding skills using fun iPad apps, desktop software and Lego WeDo robotics system. You will:

- ❖ Learn how to create characters, animations, sounds and special effects.
- ❖ Learn logic through innovative and fun coding apps.
- ❖ Develop the skills to program your own video game or animation.
- ❖ Program mini robots to perform a variety of fun outcomes.