



# 2016 Classes & Camps

At Discovery Factory we provide students the tools, techniques, materials and knowledge to build fun yet challenging projects designed to stimulate their natural creativity and enthusiasm to learn. From woodworking to a wide range of STEM topics, students build their own projects, developing building skills, critical thinking, project planning and technical knowhow that they don't get from the traditional classroom.

**Spring classes are held once per week for eight weeks beginning April 12**

	1:00 - 2:30pm	3:15-4:45pm	5:00-6:30pm	5:30-7:00pm
<b>Monday</b>	Power & Energy – The Power of Air (5th-10th)	Woodworking for Saplings (K-3rd grade)	Advanced Woodworking (4th-10th grade)	
<b>Tuesday</b>				Power & Energy - Sun Power (5th grade-Adult)
<b>Wednesday</b>			Machinery - Fascinating Gadgets (5th-10th grade)	

## Descriptions of upcoming and soon-to-be-offered classes

- Woodworking for Saplings: Building age-appropriate projects, children learn essential woodworking skills while challenging their imaginations to apply their own creative touches.
- Advanced Woodworking: Students learn new tools and techniques enhancing the quality of their work.
- Power & Energy - The Power of Air: Build an engine from items we usually toss in the recycle bin.
- Power & Energy - Sun Power: Learn about renewable energy first hand by building your own solar charger.
- Machinery - Fascinating Gadgets: Design and build your own hydraulic-powered robot arm and discover how machinery can move, grab and lift like our own arms.
- Electricity and Controls: Students team up to build a remote control car controlled by an Arduino® micro controller they program themselves.
- Electricity Zapporama! - Make a flashlight from an Altoid® can, then create a 3x3x3 LED light matrix – light show brought to you by Arduino®
- Transportation - On The Move: Students design their own mousetrap-powered car, and race vehicles that hover in midair by the force of magnetism
- Transportation - Taking To The Skies: Build a lighter-than-air dirigible, and your own fixed wing aircraft

## Summer Camps

3rd through 10th grade students experience the fun of learning through building. Projects will cover a variety of areas from woodworking and upcycle crafting to electronics, machinery, robotics and other high-tech topics.

- Week 1 - June 13 to 17 - 8am to noon
- Week 2 - June 27 to July 1 - 8am to noon
- Week 3 - July 11 to July 15 - 1pm to 5pm
- Week 4 - Aug 8 to Aug 12 - 8am to noon

Learn more and register at

**discoveryfactorysc.com**

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