

Grades 1-2

Simple Machines (LLC 4352)

Young engineers will be fascinated building simple machines using Lego's newest kits. Each session will encourage team building as students will work in teams to build a simple machine.

TY1 9:30-11:30a.m. S Main
Feb. 1 \$24

Grades 3-5

Spanish for Kids (LLC 935)

Buenos dias ninos y ninas. Explore a new language and build communication skills. This class will introduce students to the basics of the Spanish language and many commonly used phrases. Students will enjoy learning to speak a new language and receive a course book they may keep. Adios.

TY1 4:30-6p.m. R Main
Jan. 23-Feb. 27 \$149
TYD1* 4:30-6p.m. R Main
Jan. 23-Feb. 27 \$49

**For each paid registration in Section TY1, one member of the same household can register for Section TYD1 at the reduced price of \$49. Both sections meet at the same time, in the same classroom.*

Scratch Computer Programming (LLC 5742)

NEW!

Young students will learn how to create computer applications and games using Scratch, a programming language from MIT. Fundamental programming concepts such as making and importing objects, creating audio recordings and using them to build and play computer games or music videos will be covered in this class. While exploring the role of a computer scientist, students will collaborate to solve a problem, develop critical thinking skills, use computational thinking to perform sequences and parallelism to increase functionality of a program and assess how to use building block programming.

TY1 5-6:30p.m. R Main
Jan. 30-March 26 \$134

(No class March 12)

Video Game Camp (LLC 4737)

This creative camp is designed to teach video game enthusiasts how to design and build their own video games. This hands-on camp is designed to teach kids the principles of game design and systems thinking in an engaging and fun environment. During camp, students will utilize several online flash based systems that require no coding or programming skills. Video games will be accessible online so family and friends can enjoy student games.

TY1 9a.m.-Noon S Main
Feb. 1 & 8 \$59

Learning with Augmented Reality (LLC 5728)

NEW!

Augmented reality is a computer-generated image projected onto a real world object that students can see, touch and manipulate. During this hands-on class, students will use printed maps and an augmented reality sandbox to learn about topography, geography and watershed science. Student will create different geographic formations, from mountains and valleys to river deltas and flood plains, as they learn about the importance of responsible land and water management.

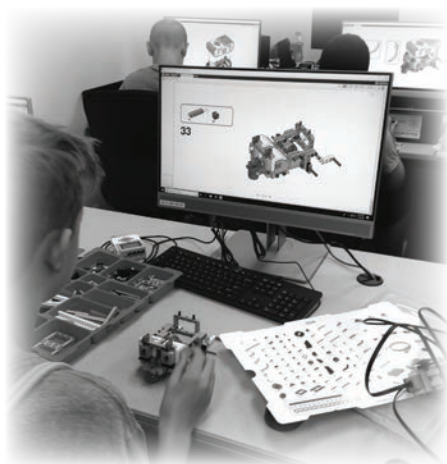
TY1 10a.m.-Noon S Main
April 18 \$24

Robolab with Grandparents (LLC 3720)

Participate in an exciting afternoon of activities which foster teamwork and engineering skills with the Lego Robotics system. Adult and child teams will enjoy building a robot and participating in fun activities – such as working together to make your robot complete a course with the fastest and most accurate path. Enrollment per adult/child team. Teams may consist of child and any adult family member.

T1 9a.m.-Noon S Main
Feb. 29 \$44

NOTE! Students should be dropped off no earlier than 10 minutes before a class begins. Students are to be picked up immediately at class dismissal time. Please walk students directly to classrooms and pick up at classroom.



Grades 6-8

Robolab Camp/Engineering (LLC 921)

Young engineers will work in teams as they design and build robots using Lego Robotics. Students will learn basic building and programming techniques as they work on projects.

TY1 9a.m.-Noon S Main
Feb. 22 \$44

Video Game Camp (LLC 4737)

Video game enthusiasts will learn how to design and build their own Angry Birds-style and Mario-style video games in this hands-on camp. This camp will build skills in creativity and technology for students with an interest in computers, gaming and technology.

TY2 9a.m.-Noon S Main
March 14 & 21 \$59

Learning with Augmented Reality (LLC 5728)

NEW!

Augmented reality is a computer-generated image projected onto a real world object that students can see, touch and manipulate. During this hands-on class, students will use printed maps and an augmented reality sandbox to learn about topography, geography and watershed science. Student will create different geographic formations, from mountains and valleys to river deltas and flood plains, as they learn about the importance of responsible land and water management.

TY2 10a.m.-Noon S Main
April 25 \$24

High School

3D Innovations Camp (LLC 5167)

What could be more fascinating than the opportunity to print a 3D masterpiece? This camp will give students the opportunity to explore the world of 3D printing. Students will be introduced to a simple 3D printing software program, learn how to search for 3D printable objects on the Internet and ultimately create a simple 3D printed project. This camp will also feature the JJC MakerLab where students will also have the opportunity to learn about additional 3D technologies such as a laser cutter and other technologies.

TY1 5-7p.m. F Main
Feb. 7-28 \$99

Find Your Fit – Teens (LLC 4655)

Choosing a career track can be very confusing. Join this highly interactive class designed especially for high school students. Get to know what you like to do and how to earn a living doing it. In this class, you will spend time engaging in activities that are core essentials to each of the six major business career groups and six major career personality types. You will also be given exercises that focus on the 17 basic job skills that ALL business professionals must have to be successful. You will be introduced to many resources that can help you continue to move forward, long after the class has ended. This class will help you explore your options and focus on a goal.

TY1 5:30-8:30p.m. R Main
March 5 & 12 \$64

Grades 3-8

3D Printing Camp (LLC 5163)

Young students will be enthralled with the opportunity to explore the world of 3D printing, where the possibilities seem endless. Students will learn about the world of 3D printing, have an opportunity to print a 3D project of their own and tour the JJC MakerLab in this technology-rich camp.

TY1 5-7p.m. W Main
Jan. 22 & 29 \$48

Laser Cutting Camp (LLC 5304)

See a laser cutter in action and create a small laser cut project. Time will be devoted to safety skills and laser cutting techniques.

TY1 5-7p.m. W Main
April 22 & 29 \$48

MakerLab Open House!

- Meet our staff • Tour the MakerLab
- View equipment demos

Friday, Jan. 17
4-8p.m.

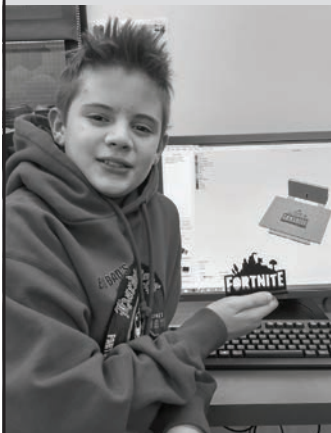
JJC Main Campus, T-1034

All are invited to attend.



MakerLab

For details, visit www.trainingupdate.org/makerlab



Test Preparation

SAT Prep Workshop (LLC 5209)

This workshop provides an overview of the SAT test and recommends success strategies for teens. Students take pre- and post-assessments that address the subjects Reading, Writing and English and Math. Included in the class materials are two complete practice tests, review sections and test-taking strategies. Textbook and other class materials are included in the class fee. Students must bring a calculator and a #2 pencil to class.

TY1	12:30-4:30p.m.	S	Main
Jan. 11-Feb. 1			\$184
TY2	8:30a.m.-12:30p.m	S	Main
Feb. 15-March 7			\$184
TY3	8:30a.m.-12:30p.m.	S	Main
March 14-April 4			\$184
TY4	12:30-4:30p.m.	S	Main
March 14-April 4			\$184
TY5	12:30-4:30p.m.	S	Main
April 25-May 16			\$184

ACT Prep Workshop (LLC 7230)

This workshop provides an overview of the ACT test and recommends success strategies for teens. Students take pre- and post-assessment tests that addresses the subjects of English, Mathematics, Science and Reading. Included in the class materials are two complete practice tests, review sections and test-taking strategies. Textbook and other class materials are included in the class fee. Students must bring a calculator and a #2 pencil to class.

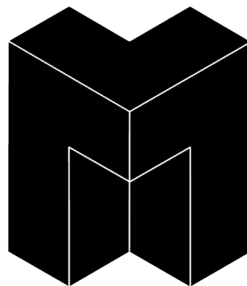
TY1	8:30a.m.-12:30p.m	S	Main
Jan. 11-Feb. 1			\$184
TY2	12:30-4:30p.m.	S	Main
Feb. 15-March 7			\$184
TY3	8:30a.m.-12:30p.m	S	Main
April 25-May 16			\$184

Register Early!
Classes fill quickly.

Overcoming Test Anxiety (LLC 5689)

High school students are presented with many challenges, but test anxiety should not be one. Learn techniques designed to help students gain confidence with test preparation and test taking skills. This session will focus on teaching high school students to use healthy strategies to manage test anxiety.

TY1	5:30-8p.m.	F	Main
Feb. 21			\$29
TY2	5:30-8p.m.	F	Main
April 24			\$29



MakerLab

What is a MakerLab?

A MakerLab is an open community lab which includes elements from machine shops, workshops, design studios and collaborative spaces. MakerLabs encourage collaboration and innovation.



Workshops

We offer a variety of workshops throughout the year for children and adults to learn 3D Printing and Laser Cutting.

JJC's MakerLab is located at Main Campus in T-Building (Room 1034).

Our MakerLab is open to the Community!

BECOME A MEMBER TODAY!

Memberships are available at monthly, semester or yearly rates.

We are continually upgrading and expanding equipment/resources for our members!



Come in to visit and check out all of our exciting developments.

- ▶ **3D Printers**
- ▶ **Laser Cutter/Engraver**
- ▶ **Vinyl Cutter**
- ▶ **3D Carving Machine**
- ▶ **& More**

To learn more about the MakerLab, visit www.trainingupdate.org/makerlab

