

# Summer Learning Opportunities

## Summer Jobs and Internships

Go to <http://www.onesummerchicago.org> to find information about more than 22,000 employment and internship opportunities.

## Learning Activities

Go to <http://chicagocityoflearning.org> to find information about free programs and special events.

The following information is an example of the Digital Badge projects, which take place in conjunction with many Chicago organizations.

### Elementary

#### The Chicago Pre-College Science & Engineering Program (K-3)

<http://www.chiprep.org/>

In the Little Civil Engineer program, students will begin to conceptualize what engineers do in their profession. Students will earn their badges through learning various science skills and participating in an array of science projects. In order for kindergarten students to gain a basic understanding of the engineering field, students will participate in a fun four week program.

#### Quilting in the Americas

<http://www.creolefabricprogram.com>

Student will learn about textile designs. Through constructing textile art, they will learn how to develop artistic skills and how to create a project from start to finish.

#### Summer Advantage USA (K-8)

<http://www.summeradvantate.org>

Students will take part in a 5 week program that combines morning curriculum-based academics taught by certified teachers partnered with teacher's assistants to establish a 22:2 classroom ratio so that instruction is differentiated and allows for skill-building and customized learning. The afternoon enrichment modules include a variety of options such as music, science, art, environment, dance, culinary arts, math games, etc. All scholars will do a community service project, visit a college, enjoy visits from inspiring speakers & mentors, and have Fun Friday learning trips around Chicago.

#### Adventures in Creative Writing (3-12)

<http://open-books.org/programs>

Adventures in Creative Writing offers field trips experiences where students develop their writing skills in meaningful and creative ways. Students write and read as a whole group, in small groups, and as individuals, working with writing coaches. They read sample work aloud, discuss it as a group, and write their own prose or poetry.

## High School

### **Mikva Challenge**

<http://www.mikvachallenge.org/summer>

Teens learn how to get involved in the political process through civic action. Students will develop leadership and professional skills, critical thinking about issues of importance, conducting research and developing policy recommendations, and work on issues connected to nutrition and health. They will learn how city government works and how to use social media to take action on community issues

### **Chicago Architecture Foundation (CAF)**

<http://www.architecture.org>

Participants will use state of the art software to design urban spaces and urban dwellings. They will use critical thinking skills to engage in the design process and work collaboratively to solve complex problems.

### **The Anti-Cruelty Society**

<http://www.anticruelty.org/veterinarymentors>

Explore various topics and learn how clinical science is used to diagnosis and treat injury and disease in animals. Students attend seminars one Saturday a month at which they explore various topics and learn how clinical science is used in diagnosis and treatment of injury and disease in animals

### **Poetry Foundation**

[www.poetryfoundation.org](http://www.poetryfoundation.org)

Participants will meet once a week for three weeks to read, discuss, and respond to contemporary works of poetry. Campers will have the opportunity to explore the Foundation's library and create their own work in response to what they find there.

### **Sweet Water Aquapons**

<http://aquapons.info/>

Students will learn how to create a healthy habitat for plants to thrive and grow in an aquaponics system which is a food production system that combines raising aquatic animals with cultivating plants in water.

### **From Free Spirit Media (FSM)**

<http://www.freespiritmedia.org/>

Free Spirit Media introduces students to best practices in journalistic reporting, research, and live news. FSM News youth participants produce news packages, short documentaries, PSAs, and news casts. Students will develop a variety of skills, including writing, reporting, producing, directing, on-camera talent, control room and camera operations, and editing. After developing journalism fundamentals, those students can join our video production journalism programs in the fall.

## Chicago Public Library

*The Chicago Public Library is host to many programs.*

*Here is a list of some the learning experiences offered.*

*Visit your local library or <http://www.chipublib.org/> to learn more the digital badge programs.*

**CNC Miller Badge Program:** This program helps students to develop skills in the area of making things in the digital and physical worlds. Students will develop a basic understanding of CNC Milling and recognizes the ability to use Shapeoko or other CNC milling machine equipment. It is earned by demonstrating competency with the machine through program participation and use of equipment.

**Vinyl Cutter Badge:** The VINYL CUTTER badge represents an understanding of vinyl cutting and recognizes the ability to use and maintain vinyl cutting equipment. It is earned by demonstrating competency in vinyl cutting through program participation and use of equipment. This Technology badge is part of the 2013 Chicago Summer of Learning initiative.

**3D Maker:** Students can become certified on the Chicago Public Library 3D Printer. The 3D MAKER badge represents an understanding of 3D printing and recognizes the ability to use 3D printing equipment like the Makerbot Replicator. The badge is earned through program participation and demonstrated use of equipment as certified by a Librarian.

**Robotics:** Students will learn the basic concepts of coding as they interact with Finch the Robot to create programs to direct the robot to do various functions, such as move, make noises, light up and even draw. The robots are housed at six CPL locations: Austin-Irving Branch, Back of the Yards Branch, Harold Washington Library Center-YOU media, Sulzer Regional Library, Woodson Regional Library and Wrightwood-Ashburn Branch.

**James Dyson Foundation:** The James Dyson Foundation Engineering Workshop Series challenges students to think like an engineer, by building a cardboard prototype with tape, cardboard, glue and bits of Dyson machines to solve frustrations in their everyday life.