



ExplorTech is partnering with Weatherford Parks and Recreation to offer our camps and workshops in the community buildings at Cherry Park and Harberger Hill. Join us and explore the world of science, technology, engineering, arts and math!

#### INNOVATIVE TECH CAMPS & WORKSHOPS

Our courses include robotics, coding, game design, animation, and more. See our online catalog for more details.

#### UNIQUE OPPORTUNITIES FOR OLDER STUDENTS

We offer **flexible-schedule workshops** and **internships** for secondary students. Schedule around the rest of your summer while gaining valuable knowledge and experience.

#### 8 to 1 STUDENT-INSTRUCTOR RATIO

Despite having one of the lowest tuition rates in the area, we also have the smallest classes. All camps are limited to 8 students.

#### EXPERIENCED TECHNOLOGY INSTRUCTORS

Our instructors are professional educators, holding graduate degrees in arts, technology, and curriculum and instruction.

## ONE WEEK (15 HOUR) CAMPS AND WORKSHOPS

### Code, Construct, & Craft!

A first STEM camp. What contraptions can you think of? Use your ingenuity to make take-home projects, experiments, and crafts from the worlds of science and technology. Learn simple coding using PC software designed just for kids.

**Ages 8 to 9 \$149/week**

Location: Cherry Park Building  
JUN 26 - 30 9:00AM to 12:00PM  
JUL 24 - 28 9:00AM to 12:00PM

### Explore Games & Animation

Learn how big studios create your favorite video games and animated movies. Then plan your own games and animations, bringing them to life with drag and drop visual coding

**Ages 8 to 9 \$149/week**

Location: Harberger Hill Building  
JUN 12 - 16 9:00AM to 12:00PM  
JUL 3 - 7 9:00AM to 12:00PM

**Ages 10 to 12 \$149/week**

Location: Harberger Hill Building  
JUN 12 - 16 1:00PM to 4:00PM  
JUL 10 - 14 9:00AM to 12:00PM

### Coding for Kids 101

A fun and interactive series of coding activities. Make your own apps and games to share, explore problem-solving with your friends. Most of the activities can be continued at home online.

**Ages 10 to 12 \$149/week**

Location: Harberger Hill Building  
JUL 3 - 7 1:00PM to 4:00PM

### Fun with Raspberry Pi

Make your own animations, games, and apps for the Raspberry Pi computer, a small PC you can own. Attach motors, lights, sensors, and cameras. Inspire your friends, share your ideas, and make your own inventions. Everyone should own a Pi!

**Ages 10 to 12 \$149/week**

Location: Cherry Park Building  
JUL 10 - 14 1:00PM to 4:00PM  
JUN 19 - 23 9:00AM to 12:00PM  
Location: Harberger Hill Building

### Gizmos, Gears, and Gadgets

Do you like to build things? Learn the history of inventions and great inventors while designing and building your own creations. Use everyday objects, education construction kits, and simple automation to solve problems.

**Ages 10 to 12 \$149/week**

Location: Harberger Hill Building  
JUN 12 - 16 9:00AM to 12:00PM

### Your own Pi-Powered Robot

Combine everyday parts and with circuits, sensors, sound, and motors to create your very own robot that you can take home. Use Raspberry Pi and Arduino educational computers. Robots act on their own with

code you create. Your imagination is the limit!

**Ages 10 to 12 \$149/week plus**

Location: Cherry Park Building  
JUL 17 - 21 1:00PM to 4:00PM

### Camp Outer Space

Blast off to a fun summer with everything outer space! Do you like rockets? Do you imagine space aliens? Do you dream of being an astronaut, engineer, or scientist? Prepare for Cubes in Space - compete to send an experiment into space on a real rocket.

**Ages 10 to 14 \$149/week**

Location: Cherry Park Building  
JUN 26 - 30 1:00PM to 4:00PM

### 3D Modeling

Learn the basics of 3D modeling for video games, animation, and 3D printing. This course uses Blender, a free but powerful 3D modeling program used by professionals.

**Ages 10 to 12 \$149/week**

Location: Cherry Park Building  
JUL 17 - 21 9:00AM to 12:00PM

**Ages 13 and up \$149/week**

Location: Harberger Hill Building  
JUL 3 - 7 1:00PM to 4:00PM

### Code with Minecraft

Learn coding with Minecraft, make Minecraft inspired crafts, 3D model Minecraft Steve, and more. You will even learn how to mod Minecraft Pi Edition with Python scripts!

Ages 10 to 12 \$149/week

Location: Cherry Park Building  
JUN 19 - 23 1:00PM to 4:00PM

Ages 13 and up \$149/week

Location: Cherry Park Building  
JUN 19 - 23 9:00AM to 12:00PM

### Storytelling with Code

Learn how to write stories with branching narratives, then use code to bring your stories to life as interactive visual and text adventures. Code your own adventure—or your own sci-fi, comedy, or romance. You pick the genre!

Ages 10 to 12 \$149/week

Location: Cherry Park Building  
JUN 26 - 30 1:00PM to 4:00PM

Ages 13 and up \$149/week

Location: Cherry Park Building  
JUN 26 - 30 9:00AM to 12:00PM

### Video Game Design

Learn the basics of game design for 2D and 3D games. This course uses Unity, a professional game editor which has been used to create popular PC, console, and mobile games including Kerbal Space Program, and Super Mario Run.

Ages 10 to 12 \$149/week

Location: Cherry Park Building  
JUL 24 - 28 9:00AM to 12:00PM

Ages 13 and up \$149/week

Location: Harberger Hill Building  
JUL 10 - 14 1:00PM to 4:00PM

### C++ / Java Coding

Learn Java or C++, the dominant programming syntax in use today. Learn object oriented programming (OOP), design and build your own game or app that runs on most PC or mobile platforms.

Ages 13 and up \$149/week

Location: Cherry Park Building  
JUN 19 - 23 1:00PM to 4:00PM  
JUL 17 - 21 9:00AM to 12:00PM

### MIT App Inventor

Make your own Android app! MIT App Inventor easily performs most tablet and phone functions like graphics, animation, text-to-speech, and messaging. Use free software so you can take the fun with you into the next school year.

Ages 13 and up \$149/week

Location: Harberger Hill Building  
JUL 3 - 7 9:00AM to 12:00PM

### Summer Robotics Workshops

Work on your own or in a team to start your robot or take it to the next level. Real engineering work using electronic parts and micros like the Arduino or Pi Zero. Solve mechanical issues, explore sensors and coding.

Ages 13 and up \$149/week

Location: Harberger Hill Building  
JUL 10 - 14 9:00AM to 12:00PM  
JUN 12 - 16 1:00PM to 4:00PM

Location: Cherry Park Building  
JUL 24 - 28 1:00PM to 4:00PM

### Video Game Scripting with C#

Take your games to the next level with triggered events, interactive user interfaces, animations, and artificial intelligence. Learning C# scripting in Unity is also a fun way to learn object oriented programming (OOP).

Ages 13 and up \$149/week

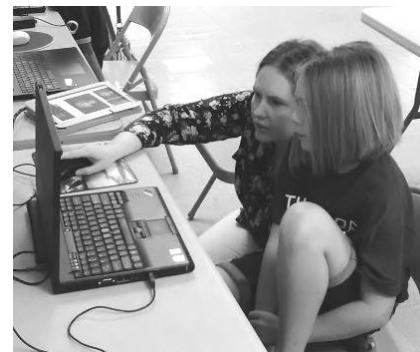
Location: Cherry Park Building  
JUL 17 - 21 1:00PM to 4:00PM

### Virtual Reality Design

Learn how to design and create virtual reality experiences using Blender and Unity. Unity can be used to create games and applications for all of the major VR platforms, including Oculus, HTC Vive, Samsung Gear VR, and Google Cardboard.

Ages 13 and up \$149/week

Location: Cherry Park Building  
JUL 24 - 28 1:00PM to 4:00PM



*See our website to register and check for schedule changes and new camps.*

## OTHER SESSIONS AND SPECIAL TOPICS

### Brown Bag Science (5 hours)

Bring a lunch and hang out with our teachers and interns. Spend quiet time on a tablet, use our tech & science library, or enjoy a small group activity while you wait for the next session.

All ages \$50 per week

Location: Both Locations  
JUL 10 – JUL 28 NOON to 1PM

### Special Topics

Resume/portfolio opportunity for older students. Follow your own schedule. No experience necessary. Topics include:

**Technology Project Leadership:** Learn to help design and manage team projects.

**Summer Internship:** The best learning is through teaching someone else! Assist staff instructors with group activities.

**Digital Video, Photography, or Web / Social Media:** Help us document our summer program through published pictures and videos.

Ages 13 and up \$10 per hour

Location: Individually Scheduled  
JUN 5 - JUL 28

### ExplorTech Family Fun

Meet our staff, learn about our STEM programs. Hands-on activities. Great for parents, teachers, and kids of all ages.

All ages Free

Location: Cherry Park Building  
APR 4 6:30 to 8:00PM  
MAR 7 6:30 to 8:00PM  
MAY 2 6:30 to 8:00PM