FREE Summer STEM Workshops

OPEN TO ALL STUDENTS

GRADES 5-12

All workshops will be held virtually

Registration starting June 1st via https://bit.ly/2zaLLE5

Questions? Please contact ideacamp@lowell.k12.ma.us or padams@lowell.k12.ma.us

IDEA CAMP WORKSHOPS

**Crime Science (week 1 & 2, grade 6-8)**
Solve crime with fingerprints, handwriting analysis, unknown powder, & pen samples!

**Spheros (week 2 & 3, grade 6-10)**
Learn how to use code.org and program a Sphero (a spherical mini robot).

**Digital Music (week 1 & 2, grade 5-8)**
Develop the skills to edit & compose multi-track sound files.

**Architecture (week 1 & 2, grade 7-10)**
Develop skills to design, draw and build a 3D scale model of your dream home.

**Painting with Perspective (week 3, grades 5-10)**
Focus on painting from two point landscape & still life perspectives.

**Microbits (week 1 & 2, grade 6 & 7)**
Program Microbits to play games, use sensors, as well as be wireless transmitters.

**Cooking at Home (week 1, grades 5-8)**
Explore the mysteries and chemistry of making food at home!

**Video Game Makers (week 1 & 2, grade 6-8)**
Learn the basics of 2D video game design and programming.

**Mind Body Wellness (week 3, grades 5-8)**
Practice and learn about the benefits of meditation, journaling, yoga, stretching and movement on the brain and body.

**Farm to Table (Got Dirt?) (week 3, grades 5-8)**
Learn the science of food as they examine organic, GMO and preparation.

**Building RC programmable cars (week 1 & 2, grade 8-12)**
Learn the basics of building and programming this robot to run an obstacle course you create.

**STEM Challenge Mash up (week 3, gr 5-10)**
Try out challenges like a Shark tank escape, Paper Airplane Challenge & a popsicle bridge and more.

**Learn to Fly Drones (week 3, grades 9-10)**
Learn the concepts of drone flight!

**Theater Kids (week 1-3, grades 5-8)**
Students will explore acting, poetry, improv, and play-writing.