



FREE Virtual Summer STEAM Workshops

OPEN TO LOWELL PUBLIC SCHOOLS STUDENTS GRADES 6-11



June 21st - June 26th , 2021

All workshops will be held in-person at the Stoklosa Middle School
from 8:30 am - 12 pm

Link to register - <https://bit.ly/3tfZzmQ>

Farm to Table (grades 6-9)

Learn the basics of working in the garden and importance of growing food locally, while supporting Mill City Grows and exploring fresh local ingredients to create healthy snacks.



Microbits (grades 6-8)

Learn how to program Microbits (pocket-sized computer that introduces you to how software & hardware work together) to play games, use sensors, and act as wireless transmitters.

Architecture (grades 7-10)

Get your creative juices flowing and complete a 3D kit to design your dream home! Use simple tools to complete the design.



Learn to Fly a Drone (grades 8-11)

Learn the basic concepts of drone flight with flying activities, using an abridged 8 unit drone curriculum. This course uses presentations and flight vocabulary & unit quizzes to build skills.

Sphero BattleBots (grades 8-11)

Use engineering design process to build protective armor for their sphero robot. Once completed students will compete and "battle" with fellow students robots. May the best BattleBot win!

Crime Science (grades 6-9)

Solve a forensic mystery using science & critical thinking. Analyze pieces of evidence (fingerprints, shoe prints, unknown powder, and pen samples) and keep track of evidence and suspects. Use the power of observations to "crack the case" and prove their innocence by figuring out who really committed the crime.



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