acera
The Massachusetts School of Science, Creativity and Leadership

# SUMMER STEAM CAMP

**JUNE 8 – AUGUST 28, 2020**

**UNLEASH YOUR CURIOSITY.**
**FOLLOW YOUR PASSION.**
**INVENT YOUR FUTURE.**

**75+** engaging, creative, unique and fun offerings for children ages **4–17**!

**Fun and engaging classes for 4-7 year olds,** like Carnival Design, Toy Making, Woodworking, Advanced Block Building, Backyard Ninjas, and more.

**Unique courses** in computer science, architecture, technology, potions, designing playscapes, theater, and more for kids ages 7+. Tackle enticing challenges individually and in groups!

***Young Investigator Series:*** College-level, mini-courses in marine biology, aquatic ecology, and future worlds for 12-17 year olds.

# SUMMER STEAM CAMP SCHEDULE (Ages in parentheses)

Full Day Program | Morning | 9:00 AM – 1:00 PM | Afternoon | 12:00 PM – 4:00 PM

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| **WEEK 1** 6/8 - 6/12 | Live Action Role Play (8-10) \| Live Action Role Play (11+) | |
| | • Renewable Energies (4-7)<br>• Sensory Science (7-10)<br>• Drawing & Sculpting in Virtual Reality (10-14) | • Physics Design Challenges (7-10)<br>• Stop Motion Animation Studio (7-10)<br>• Physics of Projectiles (10-14) |
| **WEEK 2** 6/15 - 6/19 | Backyard Ninjas (4-7) \| Permaculture: Garden as Metaphor (12+) | |
| | • From Broken to Brilliant (4-7)<br>• Junior Carnival Design (5-8)<br>• Amigurumi (7-10)<br>• Ecological Systems: Backyard Biology (7-10)<br>• Film Making Club (7-10)<br>• Engineering with Found Objects (8+) | • Designing Mobiles (4-7)<br>• Songwriting Studio (5-8)<br>• Knit & Lit Beginners (7-10<br>• Vlogging Studio (10+) |
| **WEEK 3** 6/22 - 6/26 | Fantasy, Forts, and Friends (5-8) | |
| | • Fairy & Troll Houses (4-7)<br>• Physics Design Challenges (5-8)<br>• Mini Med School (7-10)<br>• Dance Camp: Find Your Groove (7-10)<br>• Film Making Club (10+)<br>• Sculptural Weaving (10-14) | • Keva Plank Constructions (4-7)<br>• Playscapes (7-10)<br>• Sketch Comedy Workshop (7-10)<br>• Drones & Flying Machines (10-14)<br>• Knit & Lit Advanced (10+) |
| **WEEK 4** 6/29 - 7/2 | Artistic Expeditions: City Slickers (12+) | |
| | • Backyard Birding: Bird Feeders (4-7)<br>• Shades of Blue: The Art & Science of Fabric Dyeing (5-8)<br>• STEAM Challenger (7-10)<br>• Engineering with Found Objects (7-10)<br>• D&D Roleplay (10+)<br>• Make Your Own Cable Cars (10+)<br>• Magic The Gathering (9+) | • Mini Treehouse Building (4-7)<br>• Woodworking Jr. (5-8)<br>• Design Like Nature (7-10)<br>• International Dance (7-10)<br>• Jewelry & Clay Sculptures (7-10)<br>• Stop Motion Animation: Science Fiction (10+)<br>• Games & Strategy (9+)<br>• Shades of Blue: The Art & Science of Fabric Dyeing (10-14) |
| **WEEK 5** 7/6 - 7/10 | Live Action Role Play (8-10) \| Live Action Role Play (11+) \| Intermediate Woodworking (11+) | |
| | • Artist Study: Matisse (4-7)<br>• Culinary Curiosities (5-8)<br>• Micro:bit Arcade (8-11)<br>• Environmental Engineering (10-14)<br>• Drawing & Sculpting in Virtual Reality (10-14) | • Backyard Birding: Bird Houses (4-7)<br>• Rhythm, Rhyme, Ruckus (7-10)<br>• Computational Drawing in Scratch & Python (8-11)<br>• Investigator Series: Future World (10-14)<br>• Drawing & Sculpting in Virtual Reality (10-14) |

**Class descriptions and registration at aceraschool.org/summer-camp**
**Classes start at $350/week (half day)**

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| **WEEK 6**<br>7/13 - 7/17 | Fantasy, Forts, and Friends (5-8) | |
| | • Marble Races (4-7)<br>• Chess Club (7-10)<br>• Engineering Design Challenges: Animals (7-10)<br>• Improv Intensive (10-14)<br>• Photography Workshop (10+) | • Artist Study: Pollock (4-7)<br>• STEAM Challenger (7-10)<br>• Fluid Dynamics (9+)<br>• Engineering Design Challenges: Games (10-14)<br>• Introduction to Arduino Robotics (10+) |
| **WEEK 7**<br>7/20 - 7/24 | Musical Instrument Lab (7-10) \| Intermediate Woodworking (11+) | |
| | • Creative Constructions with Wood (4-7)<br>• Engineering Design Challenges: Books (5-8)<br>• Investigator Series: Marine Systems (7-10)<br>• Chess Club (7-10)<br>• Jewelry & Clay Sculptures (7-10)<br>• Magic The Gathering (9+)<br>• Sketch Comedy Workshop (10-14) | • Marble Mazes (4-7)<br>• Engineering Design Challenges: Movies (5-8)<br>• Dance Camp: Find Your Groove (7-10)<br>• Games & Strategy (9+)<br>• D&D Roleplay (10+)<br>• Investigator Series: Aquatic Inquiry Labs (10-14) |
| **WEEK 8**<br>7/27 - 7/31 | Live Action Role Play (8-10) \| Live Action Role Play (11+) \| Raft Building (10-15) | |
| | • Artist Study: Monet (4-7)<br>• Imagination Vacation (5-8)<br>• Lions and Tigers and Robots, Oh My! (7-10)<br>• Chess Club (7-10)<br>• Engineering Design Challenges: Robotics (7-10)<br>• Debate (11+) | • Popsicle Sticks Party (4-7)<br>• Edible Experiments (5-8)<br>• Nature Sampling & Songwriting (7-10)<br>• Engineering Design Challenges: Spies! (7-10)<br>• Drawing & Sculpting in Virtual Reality (10-14) |
| **WEEK 9**<br>8/3 - 8/7 | Forts, Fantasy, and Friends (5-8) \| Live Action Role Play (8-10) \| Live Action Role Play (11+) | |
| | • International Print Making (4-7)<br>• Chess Club (7-10)<br>• Culinary Curiosities (7-10)<br>• Build Your Own Skateboard (10+)<br>• Musical Instrument Lab (11-15) | • Fairy & Troll House Making (4-7)<br>• Water Wars (7-10)<br>• Songwriting Studio (7-10)<br>• Drawing & Sculpting in Virtual Reality (10-14)<br>• Build Your Own Paddle (10+) |
| **WEEK 10**<br>8/10 - 8/14 | Live Action Role Play (8-10) \| Live Action Role Play (11+) | |
| | • Dance Camp: Find Your Groove (4-7)<br>• Chess Club (7-10)<br>• Nature Sampling & Songwriting (7-10)<br>• Marshmallow Crossbows (11-15)<br>• Drawing & Sculpting in Virtual Reality (10-14) | • Advanced Block Building (4-7)<br>• Woodworking Jr. (5-8)<br>• Lions and Tigers and Robots, Oh My! (7-10)<br>• Fluid Dynamics (9+)<br>• Improv Intensive (10-14) |
| **WEEK 11**<br>8/17 - 8/21 | Backyard Ninjas (4-7) \| Live Action Role Play (8-10) \| Live Action Role Play (11+)<br>Musical Instrument Lab (11-15) | |
| | • Junior Carnival Design (5-8)<br>• Chess Club (7-10)<br>• Renewable Energies (7-10)<br>• "Making" Stories (10-14) | • Collage Techniques (5-8)<br>• Songwriting Studio (7-10)<br>• Building Geometric Shapes (8-12)<br>• Drones & Flying Machines (10-14) |
| **WEEK 12**<br>8/24 - 8/28 | Forts, Fantasy, and Friends (5-8) \| Water Wars (7-10) | |
| | • From Broken to Brilliant (4-7)<br>• Physics Design Challenges (7-10)<br>• Computational Creatures (7-10)<br>• Improv Intensive (10-14) | • Designing Mobiles (4-7)<br>• Marble Races (5-8)<br>• Dance Camp: Find Your Groove (7-10)<br>• Physics of Projectiles (7-10)<br>• Math Competition Practic (10-14) |

# WHAT TO EXPECT

**Curiosity**, **creativity** and **innovation** come alive at Acera's Summer Camp! Immersed in STEAM-rich experiences, students (4-17) envision, design, build, experiment, code, problem-solve, make, innovate, film, paint, compose and perform. All while working with like-minded peers in our fully equipped Innovation Lab, led by experienced educators with backgrounds in engineering, science, architecture and the arts.

**High school internships available.**

**Register online today! aceraschool.org/summer-camp**

Regular camp hours 9 a.m. to 4 p.m.
Early drop-off and late pick-up available.
Four-day camp July 4th week.

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