

Virtual Hands-On Student Workshops

Brought to you by the world's leading manufacturer of theme park animatronics,
Garner Holt Productions

Empower your students to learn new concepts and practice new skills through hands-on workshop experiences ranging from 4 to 12 hours of instruction

Virtual Student Workshop:

Animatronics Engineering, Design & Prototyping Challenge

Ideal for middle and high school-aged students, our half-day Animatronics Engineering, Design & Prototyping Challenge is an engaging, hands-on experience that will allow students to step into the roles of animatronic designer, engineer, fabricator and artist to construct one-of-kind machines that create the illusion of life! Students will practice the same design-thinking process used at GHP to manufacture one-of-a-kind theme park animatronics all over the world.

Who: Appropriate for all students, no prior experience required.

Duration: 4 hours (hours may be scheduled over multiple sessions)

Cost: \$960 for 4 hours of facilitated instruction, plus \$34 materials fee per student*

Minimum Capacity: 20 students

Maximum Capacity: 60 students

**Each student will receive their own materials kit.

Each Student Kit Includes: Raw Building Materials, Custom Laser-Cut Components, Hardware, Tools and Art Supplies.

Virtual Student Workshop : Invention Literacy

The Invention literacy workshop is a 6-hour, hands-on learning experience where students will explore the potential and possibility of designing, building and refining inventions straight from their imaginations. Students will learn principles of coding, electrical circuits, conductive materials and creative problem-solving to design and build whatever their minds can imagine!

Who: Appropriate for all students, no prior experience required.

Duration: 6 hours (hours may be scheduled over multiple sessions)

Cost: \$1,440 for 6 hours of facilitated instruction, plus \$79 materials fee per student*

Minimum Capacity: 20 students

Maximum Capacity: 60 students

**Each student will receive their own Invention Literacy and supplementary materials kit.

Each Student Kit Includes: Invention Circuitry Board, USB Cable, Alligator Clips, Connector Wires, Raw Conductive Materials and Art Supplies.

Virtual Student Workshop: Creative Coding & Animated Robotics

The Creative Coding and Animated Robotics Workshop is a 12-hour hands-on learning experience that allows students to explore the world of animatronic storytelling through robotics, coding, automation and the visual and performing arts. Ideal for students with varying degrees of experience, this workshop is differentiated to support absolute beginners while at the same time maintaining high levels of engagement and rigor for more experienced coders.

Who: Appropriate for all students, no prior experience required.

Duration: 12 hours (hours may be scheduled over multiple sessions)

Cost: \$2,880 for 12 hours of facilitated instruction, plus \$229 materials fee per student*

Minimum Capacity: 20 students

Maximum Capacity: 60 students

**Each student will receive their own Creative Coding Robotics and supplementary materials kit.

Each Student Kit Includes: Control Board, micro:bit Processor, Battery Pack, (4) AA Batteries, (3) LEDs, (4) Servo Motors, (3) Sensors, Terminal Tool, Adapter, Raw Materials and Art Supplies.

All Workshops Include GHP History Video, GHP Virtual Tour & All Required Materials & Live Virtual Instruction

*taxes and shipping charges apply

**All workshops require student access to a personal device and internet capability. We work with schools to ensure students receive all required materials in advance of their workshop.



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