

# 2022 Virtual School and Groups Workshops

Stepping Stones Museum for Children is glad to offer our exciting line-up of VIRTUAL live-streamed workshops, making our hands-on workshops accessible to everyone, everywhere.



## Stepping Stones STEAM Lab Virtual Workshops (K–5)

### Fossil Detectives

Come solve a 200,000,000 year old mystery by looking for clues to the past. What is a fossil and what can they tell us about the dinosaurs and their habitats? Junior paleontologists will go on various expeditions to unearth fossils, piece together what they find and reconstruct stories from the past, including those close to home.

NGSS: ESS1.C, LS1.A, LS2.C, LS2.D, LS3.B, LS4.A, LS4.B, LS4.C

### Flying Contraptions

Now boarding! Let's spread our wings and soar to new heights as we take on the laws of aerodynamics and experiment with flight. Whether it's helicopters, drones or airborne animals, the same question remains; how do they do it? Learn about some of the early inventions that got us up in the air and test out your own flying machine.

NGSS: PS2.A, PS2.B, PS3.C, LS1.A, PS1.A, ETS1.A, ETS1.B, ETS1.C

### Traveling Seeds

Why do plants create seeds? Investigate different types of seeds, and get a close-up view of the parts of a seed through a dissection demonstration. Plants are genius! They use a variety of strategies and adaptations for seed dispersal. Using plants for inspiration, invent, design and test a seed case that travels by wind, water or sticking to your clothes!

NGSS: LS1.A, LS1.B, LS2.A, LS4.D, ETS1.A, ETS1.B, ETS1.C

### Build It Big!

From houses to skyscrapers, what is the process of designing and constructing a building? We'll learn that first-hand as we become architects, exploring design solutions to engineering challenges as we build a stable structure for a desired purpose.

NGSS: PS2.A, ETS1.A, ETS1.B, ETS1.C

CCSS: K.MD.1, K.MD.2, 1.MD.2, 2.MD.1, 2.MD.3, K.G.2, 1.G.1, 1.G.2, 2.G.1, 3.G.1, 4.MD.1, 4.MD.5, 5.MD.1, 5.G.3

### Surrounded by Sound

Have you heard? Sounds are all around us! Explore the world of sounds we can hear and those we can make. With the help of interactive experiences and demonstrations, learn how every sound we hear begins with a vibration, how it reaches our ears and the important role sound plays in animal communication.

NGSS: PS4.A, PS4.C, LS1.A, LS1.D

NGSS: PS2.A, ETS1.A, ETS1.B, ETS1.C

CCSS: K.MD.1, K.MD.2, 1.MD.2, 2.MD.1, 2.MD.3, K.G.2, 1.G.1, 1.G.2, 2.G.1, 3.G.1, 4.MD.1, 4.MD.5, 5.MD.1, 5.G.3

For more information about museum tours, in-person and virtual workshops or how workshops can come to your school, please contact us: [schoolsandgroups@steppingstonesmuseum.org](mailto:schoolsandgroups@steppingstonesmuseum.org).

### Wonder Wheels

Wheels make the world go 'round! Since it was invented over 3,500 years ago, the wheel has changed how people work, move, travel and live. From pulleys to cars, discover how wheels are found everywhere today and how that first wheel was created. Through hands-on investigations and demonstrations, explore the wonder of wheels and how they can make things run so much easier.

NGSS: PS2.A, PS2.B, PS3.C, ETS1.A, ETS1.B, ETS1.C

### Playground Physics

We can see physics at work all around us, even on the playground! Think like a physicist and investigate the various forces at work on the slide, swing, and seesaw. Play with force, motion, balance and gravity. By designing models of some playground equipment we will gain an understanding of the physics behind everyday experiences.

NGSS: PS2.A, PS2.B, PS3.C, ETS1.A, ETS1.B, ETS1.C

### Light It Up!

Light is the energy that gives us the power of sight. Explore and investigate the different characteristics of light. Which objects reflect and which produce light? How can we create a rainbow? How does light change our perception? Come see the light...in a whole new way!

NGSS: PS1.A, PS4.B

### Puppet Pals - Virtual

Do you have a story to tell? Learn how puppets can help others believe your make-believe! Make a simple puppet and then discover how you can bring your puppet to life using your voice, hands and your imagination. Who will your puppet be?

National Core Arts Standards: 1,2,3,5,6,10

CCSS: SL.K.1, SL.1.1, SL.2.1, SL.3.1, SL.4.1, SL.5.1

## Virtual Workshop Details

### Capacity:

Individual groups of up to 25 children; additional children may also participate at a reduced fee.

### Grades: K – 5

### Length: 45 minutes

**Pricing:** \$90 per workshop; schools receive 10% off when booking four or more.

### Scope and Sequence:

Each workshop is designed to fulfill state and national educational standards and may be customized to support group needs and interests.



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