

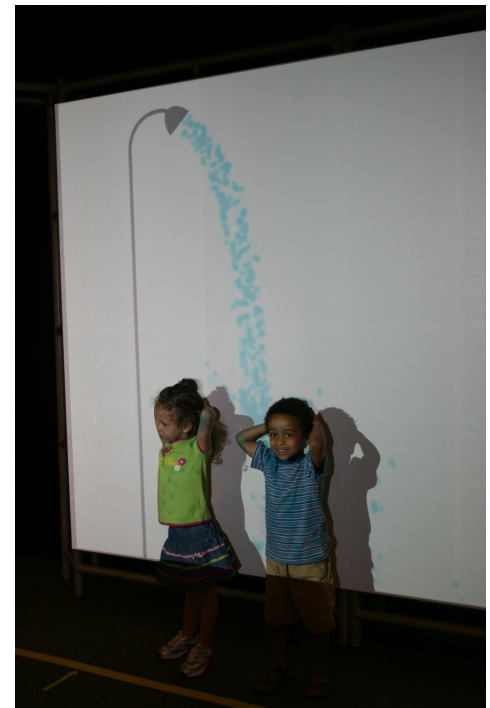
Science & Art

EXHIBIT DESCRIPTIONS

Science & Art is organized into four "mini" exhibits featuring projects created by artists who have specific masteries in scientific areas. The exhibits are designed to show that art and science aren't the same thing but have much in common. Visitors will also experience how art can be used to convey scientific ideas and phenomena and experience science from a fresh point of view.

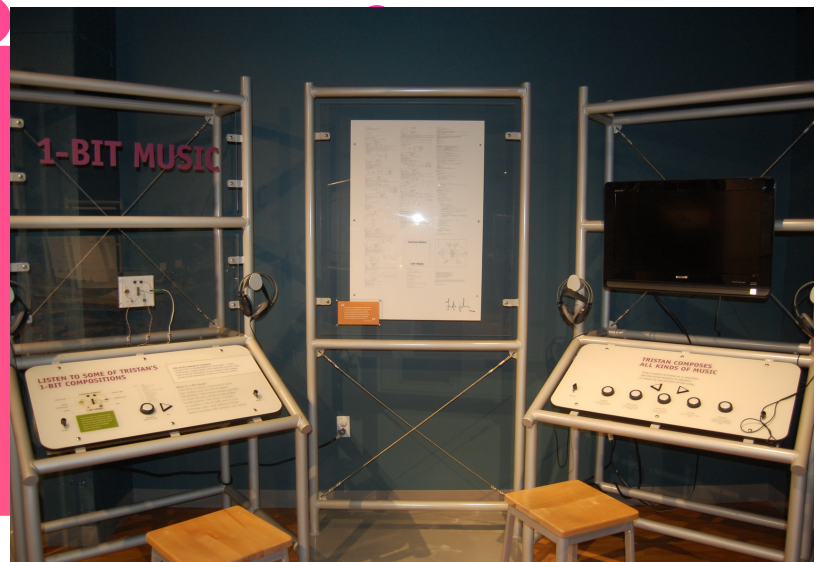
3 Drops Installation

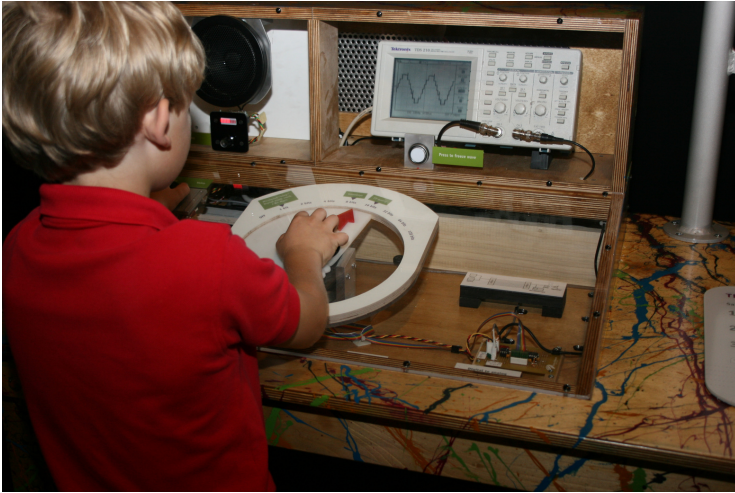
The 3 Drops digital canvas is a full-body, multi-media experience created by artist Scott Snibbe. 3 Drops introduces visitors to the concept of the nano-scale. Visitors move in front of the large screen to interact with the projections of water at the macro, micro and nano-scale. Through this interaction they learn how the physical properties of water change at different levels of scale.



Tristan Composes & 1-Bit Music

Tristan Perch uses math and computer science to create his digital music. Visitors can listen to his works at two listening stations, Tristan Composes and 1-Bit Music. The 1-Bit Music exhibit combines his musical compositions with primitive, hand-programmed electronics that investigate the foundations of digital sound. 1-Bit Music is part art, part physics, and part mathematics.



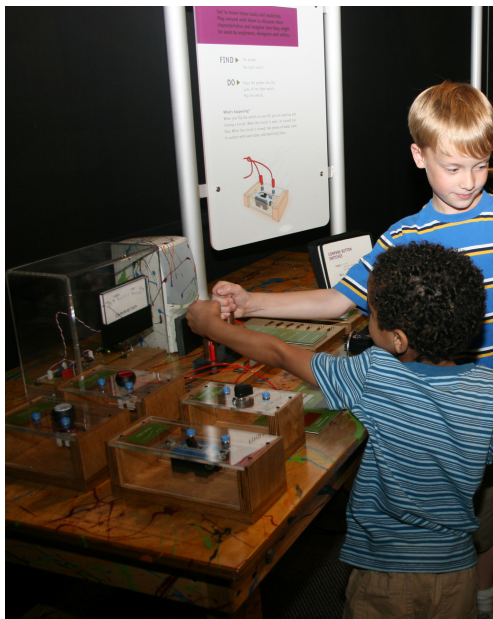


Oscilloscope Bench

At the Oscilloscope Bench visitors can investigate and control the relationship between the number of bites and sound quality in digital media.

LED Shirt

Leah Buechley uses her knowledge of electronics, programming and sewing to create e-textiles that blink and flash. Visitors can examine the different materials used to create her LED shirt and then, with a push of a button, control the blinking of it.



Electric Materials Bench

At the Electric Materials Bench visitors experiment with electricity. They create and test various forms of circuits and can also test a wide variety of materials to learn about conductivity. They can even complete circuits with their own bodies!

C. elegans Live! (Microscope Table)

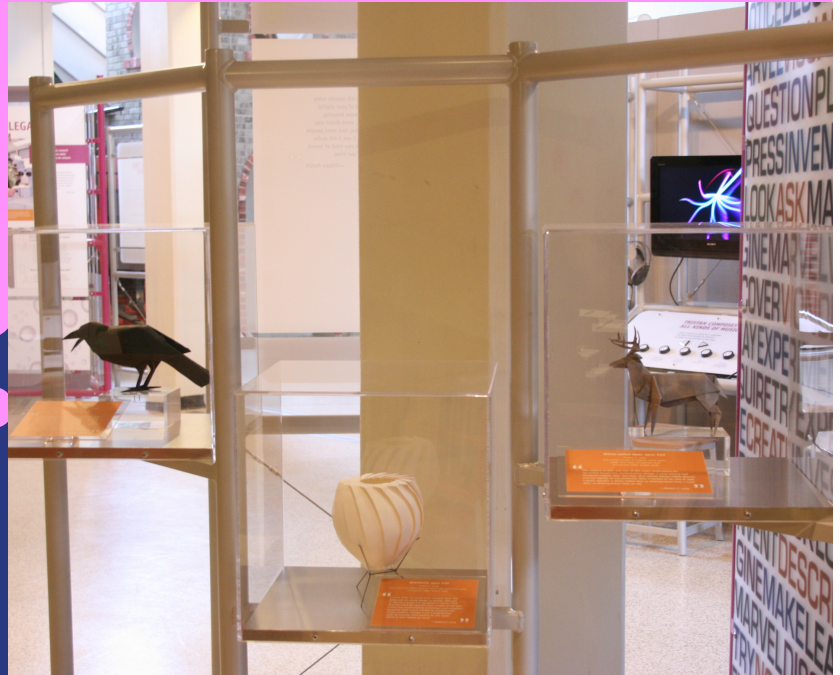
Ahna Skop is passionate about worms, mainly the worm *C. elegans*. She knows them inside and out. At the *C. elegans* Live! Table, visitors control a microscope and can view, zoom in, and move around a living sample of the worms and watch how they live.





Fold It Fast, Fold It Slow

Robert Lang has been recognized as a master in the world of origami artists. At this exhibit, visitors can control the video of Dr. Lang creating the turtle seen on display. They can watch it at any speed and rewind to see the various techniques used.



Origami Gallery

This gallery showcases some of Lang's works, including a raven, a bowl, and a deer. Visitors can use the same skills shown in the "Fold It Fast, Fold It Slow" video while creating their own works of origami at the Origami Folding Table.



Origami Folding Table

At the Origami Folding Table visitors can make their own origami shapes and animals to take home or leave for display in the gallery's "visitor art" section.

Symmetry & Origami Table

At the Symmetry & Origami Table visitors can play with the various shapes against the mirror to learn the concepts of symmetry and geometry and how they relate to origami and their lives.



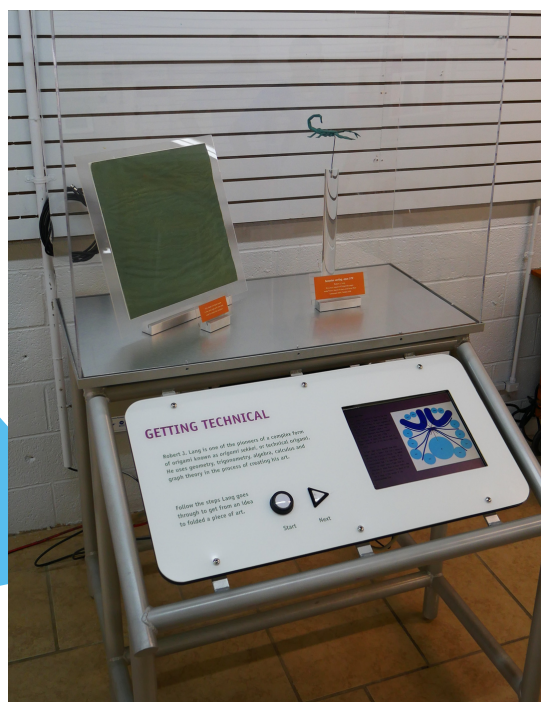
Five Special Shapes

Lang has more than 500 designs cataloged and diagrammed. His work demonstrates that by using basic mathematical principals and a few folding rules, one can create complex and beautiful 3D works of art made from simple paper.



Getting Technical (Scorpion Case & Video)

Lang uses geometry, trigonometry, algebra, calculus and graph theory in the process of creating his art. Follow the steps Lang goes through to get from an idea to a folded piece of art.



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For pricing and availability, please contact:
Thomas "Ryan" Binning
tbinning@museumofdiscovery.org
501.537.4601