

NEW EXHIBITION COMING FALL 2020



LEONARDO'S LAB

Rent your next exhibition today!



Experience the art, science, and engineering of Leonardo da Vinci!

Explore the inventions, art, and ideas of the original Renaissance man, as you engage in a dozen hands-on activities. Create a 'copter, solve math puzzles, try your hand at backward writing, make your own Mona Lisa masterpiece, and engineer towers, bridges, and simple machines. Multi-user 'workshop tables' allow individuals or groups to learn about Leonardo da Vinci's many areas of interest in science and art – 500 years ago, this amazing polymath was adding art to science, and now you can too!

Developed by Carnegie Science Center and produced in partnership with the Sciencenter.

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SIZE:
1,500- 2,000 sf

SHIPPING:
Inbound only | 1 truck
Accompanied by technical manual, educational materials, and marketing kit

Exhibit Components

Gear Table

Guests connect and crank wooden gears on a vertical pegboard to see how they work and the math that is involved!

Structures

Guests use wooden slats to create an infinite number of structures – walls, bridges, etc.

Flight

With fans inset into the table, guests cut and fold their own 'ornithopter' and send it aloft!

Mirror Writing

Guests try their hand at reverse writing on small mounted chalkboards in front of vertical mirrors.

Life Drawing

With poseable wooden models of a human and a horse, guests use mounted chalkboards to create their own studies in anatomy.

Wooden Puzzlers

A variety of wooden puzzles and games introduce math concepts.

Architecture Blocks

Wooden blocks of various architectural styles allow guests to design their own model city.

Golden Ratio

Using the Golden Ratio as a guide, guests draw their own masterpiece on a chalkboard 'canvas.'

Bridges

Budding civil engineers recreate da Vinci's hardware-free 'emergency bridge' – table-top scale.

Mona Lisa Art x4

Guests rub, sketch, color, or stamp their own versions of the Mona Lisa, using the materials provided.



STRUCTURES



MONA LISA ART



LEARNING GOALS

- Understand the ways science, technology, engineering, art, and math are applied to conceptualizing solutions.
- Work collaboratively with others to develop and evaluate solutions to a problem.
- Foster innovative mindsets and the ability to problem-solve.
- Cultivate multi-disciplined thinking and comprehensive innovation.