LEONARDO’S LAB

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.

**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.