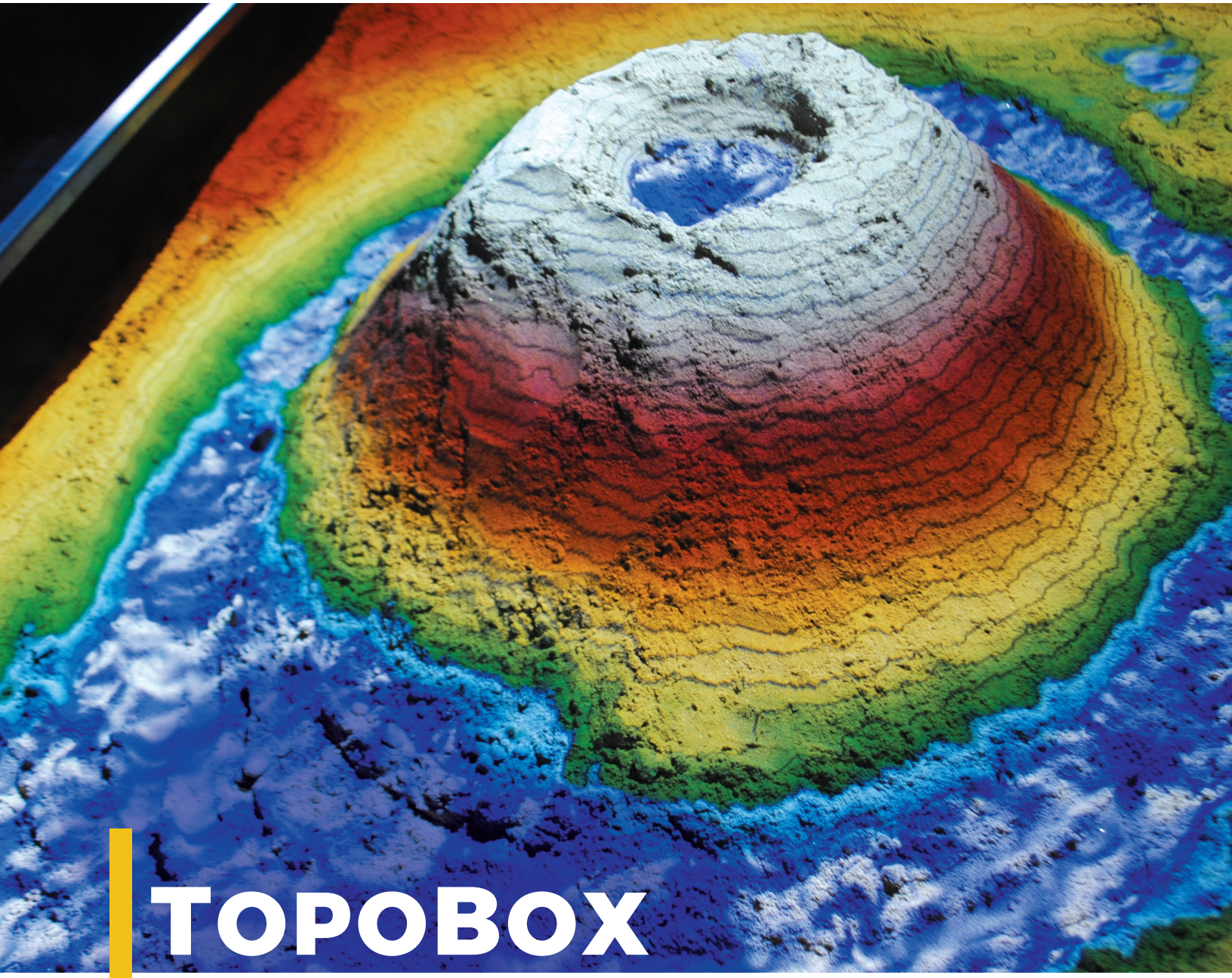
REACTIVE
DIGITAL SYSTEMS



TOPOBOX

augmented reality sandbox

TopoBox is the pioneer educational instrument for earth sciences. Weaving an augmented reality using projectors & sensors, TopoBox creates a miniature landscape at user's fingertips.

WWW.TOPOBOX.COM • (888) 664-7890 • INFO@REACTIVEDIGITALSYSTEMS.COM

REACTIVE DIGITAL SYSTEMS PRESENTS

TopoBox,

the augmented reality sandbox.

Augmented reality is a technology that superimposes a computer-generated image into a user's view of the real world. Topobox, an implementation of an open-source project from KeckCaves of U.C. Davis, is a large sand table equipped with sensors and lights that read the sand below and project topographic lines, colors, and "water."

TopoBox is an extremely engaging tool which enthralls children & adults alike, teaching various properties of topography, hydrology, geomorphology, and land management. To use the TopoBox, simply move the sand around. You can create different geographic formations, from mountains to valleys to river deltas to flood plains, and watch the water collect and flow over various water sheds.

TopoBox is a turnkey solution for the open source software developed by UC Davis.

Topobox is an incredible addition to any exhibit or classroom. Use it to teach myriad Earth Science subjects or simply let participants explore the augmented reality of Topobox and learn independently.

Whether using TopoBox to explain the importance of responsible land and water management in your region or engaging children with the increasingly important sciences of hydrology, geomorphology, and topography in your museum, you'll be sure to have an engaged audience.

Research finds that "users often stay at the sandbox for more than 20 minutes (and sometimes more than an hour), far exceeding common dwell times at single exhibits. In addition, users are frequently observed working together on tasks they have set for themselves, especially building specific landscapes with the sand" [Audience Viewpoints Consulting, 2014]

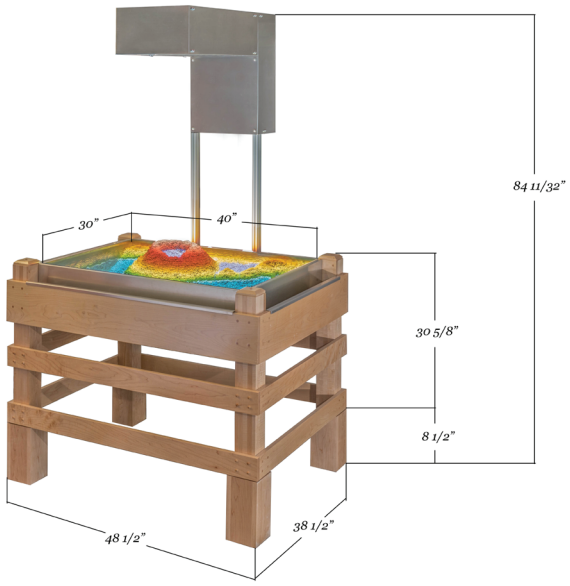
Reactive Digital offers a variety of models but can also work with clients to create custom implementations.

TopoBoxes are delivered almost entirely assembled; you only need to hand-screw four boards into place and plug in the power. Each sandbox is factory tested and is guaranteed to perform on arrival. TopoBoxes contain top of the line components to ensure round the clock optimal performance.

MUSEUM
model

The Museum Model combines top of the line components with exhibit quality aesthetics. Made of hard wood and finished to client specifications, the Museum Model is a self-contained exhibit. **[$18,900]**

- **Breaks down into 3 pieces for portability**
- **Includes sand/paper catchment trays for overflow**
- **8 1⁄2" legs removable for child height**
- **Choose between black and silver aluminum**
- **Initial set-up approx. 0.5 hr**



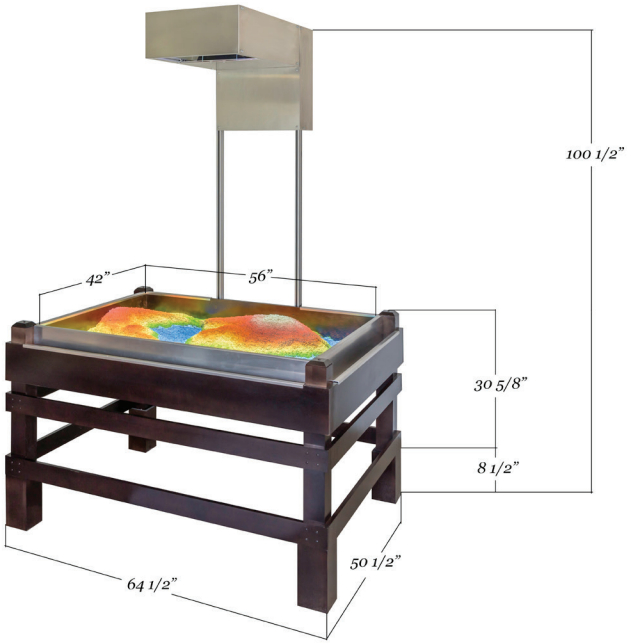
Projector	*Epson Powerlite 1785*
GPU	*NVIDIA GeForce GTX 2070*
Processor	*Intel Core i7*
Solid State Drive	*Samsung 750 EVO 120 SSD*
Motherboard	*Asus Z390-A*
RAM	*E8 GB DDR 4*
Power Supply	*Whisper Quiet*

MUSEUM

XL

The Museum XL is the most popular table, measuring 75% larger than the Museum Model. Packed with a powerful projector, the Museum XL can handle most brightly lit environments. Exquisitely designed and finished to client specifications, the XL is a self-contained exhibit. **[$25,900]**

- **Breaks down into 3 pieces for portability**
- **5200 Lumen projector**
- **Includes sand/paper catchment trays for overflow**
- **8 1⁄2" legs removable for child height**
- **Choose between black and silver aluminum**
- **Initial set-up approx. 0.5 hr**

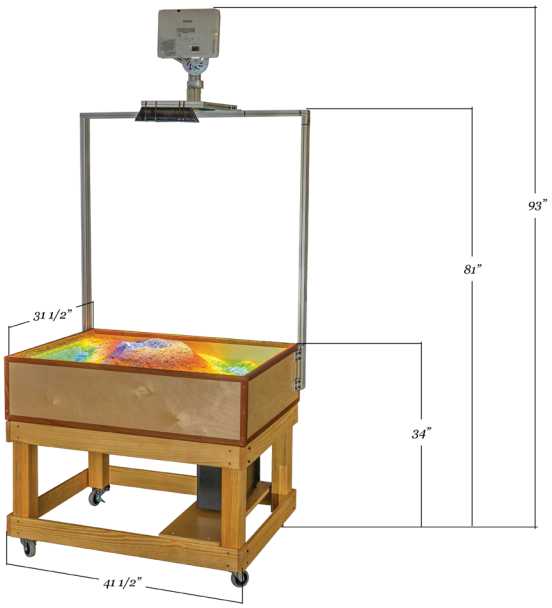


Projector	*Epson Powerlite 5510*
GPU	*NVIDIA GeForce GTX 2070*
Processor	*Intel Core i7*
Solid State Drive	*Samsung 750 EVO 120 SSD*
Motherboard	*Asus Z390-A*
RAM	*8 GB DDR 4*
Power Supply	*Whisper Quiet*

EDUCATOR
edition

The Educator Edition is thoughtfully designed to minimize cost for schools and small museums. Shipped disassembled as a DIY kit, the Educator Edition makes augmented reality accessible. **[$7,990]**

- **Breaks down into 3 pieces for portability**
- **Casters, collapsible mast, and narrow width ensure mobility through doorways**
- **Shipped in a minimized, self-contained crate to reduce shipping costs**
- **Initial set-up approx. 4 hrs**



Projector	*Epson Powerlite 1781*
GPU	*NVIDIA GeForce GTX 1660*
Processor	*Intel Core i3*
Solid State Drive	*Samsung 750 EVO 120 SSD*
Motherboard	*MSI Micro ATX*
RAM	*4 GB DDR 3*
Power Supply	*Whisper Quiet*

SHIPPING,
warranty, & technical support

Shipping costs are variable and are subject to change.

One year limited warranty on hardware and craftsmanship. Warranty details available by request.

Three years of technical support via phone provided [does not include Educator Edition]. Augmented Reality Sandboxes are what we do. We guarantee your TopoBox will work.