

General Description

WonderWorks is an amusement park for the mind. It features over 100 hands-on, interactive exhibits for visitors of all ages to experience. Our exhibits utilize some of the most sophisticated graphic and audio presentation techniques available. Activities range from a realistic, simulated hurricane to virtual reality. Throughout WonderWorks, your guests will actively participate in some of the most imaginative displays and exhibits found in any facility in the United States.

The most eye-catching feature of WonderWorks is the attraction's dramatic exterior, a three-story tall classically designed building that has landed, upside down, on top of a 1930s era brick warehouse. At 82-feet tall, WonderWorks will tower over most nearby structures.

Background

Removed from the glare of the media and the encumbrances of governmental restrictions, a group of scientists from around the world collaborated to find answers to the unexplainable. Their mission: to understand, predict and control these phenomena. In early 1998, during a top-secret experiment, something went awry. When the scientists attempted to harness the power of a man-made tornado, the giant, swirling vortex unleashed its power throughout the laboratories! The energy vortex lifted the research facility from its foundations and transported the laboratory hundreds of miles away to Orlando, Florida, where it landed, upside-down, but otherwise functionally intact.

Guests will experience the following and other unique phenomena for themselves inside the WonderWorks laboratories. For the journey to begin guests will step into the Inversion Tunnel to be turned upside-down.

Level 1

Earthquake Café One of history's most renowned earthquakes, the 1989 San Francisco earthquake that stopped baseball's World Series and collapsed a freeway is recreated in the laboratory. Guests will feel for themselves what an earthquake that measures 5.3 on the Richter scale actually feels like.

Good Vibrations *Learn about* The Tuckaleechee Caverns that are located deep under the Smoky Mountains. This cavern has the most sensitive seismic station on Earth, accurately and precisely tracking tectonic movement all around the planet. The information collected includes activity from earthquakes and even when nuclear weapons are being tested.

Natural Disasters Trivia Touch screen computers and monitors present dramatic footage of some of the world's most famous natural disasters. These disasters are explained in basic scientific terms the guests can have the opportunity to quiz themselves about what they've learned!

Hurricane Shack Guests will feel the effects of winds reaching 74 miles per hour. According to the Saffar-Simpson Scale, the hurricane in this simulation is merely a mild one!

- Google Earth** Travel the world through a virtual globe and view satellite imagery, terrain and maps in this giant screen version! With the rich geographical content of Google Earth, guests will be able to experience a more realistic view of the world.
- Sphere We Go** Watch the newest and greatest 3D technology while learning about our Earth's layers, moving upward from ground level, these layers are named the troposphere, stratosphere, mesosphere, thermosphere and exosphere. The exosphere gradually fades away into the realm of interplanetary space.
- Tesla Coil** Become a human lightning rod! See, hear, and touch the power of 100,000 volts of electricity as you learn about the invention of physicist and engineer Nikola Tesla.
- Anti-Gravity Chamber** Water is traveling from the floor to the ceiling, or is it? At the touch of a special button that you control, water will appear to change direction! Look up! The change in frequency of the strobe lights is what causes the water to appear to change direction.
- How Cold Is It?** Experience firsthand what the water feels at 28° F, the same temperature that 2,223 people in the RSM Titanic felt when this one sank. Great exhibit to explain the concept of "hypothermia".
- Infrared Screen** How Cool/Warm are you? Guests will stand in front of the infrared screen where thermography is being used to detect the heat rays. This is also known as infrared radiation being emitted from their body.
- Level 2**
- Optical Illusion Wall** Are the walls & faces moving? Guests will need to figure out if what they are appearing to see is something other than what it seems. The guests can express their imagination, which Albert Einstein is quoted as saying is more important than knowledge.
- Wonder Wall** Create an instant three-dimensional impression of the entire body in the 3 panels that are each 8ft. tall pin walls, which consists of over 40,000 plastic pins.
- Bubble Lab** Create bubbles the size of basketballs, blow bubbles through a bubble sheet, or make a bubble big enough for you to fit inside!
- Twister** A modern-digital version of the beloved 60s game
- Playbox** Playbox is an immersive and interactive game platform designed with entertainment in mind. It is fun, it is collaborative and competitive. Brings together hand-eye coordination in a competitive manner.
- Virtual Sports** Guests will see for themselves just how fast they can hurl a ball in the pitching tunnel. Use this exhibit to introduce the relationships among gravity, speed, and distance.
- Pulley Power** If simple machines are the unit of study, this exhibit is a terrific demonstration! Guests will lift themselves up with the help of pulleys. Three stations with a

different number of pulleys have been set up to demonstrate first-hand “mechanical advantage”. As the challenge is taken at each station, they will feel how much effort is needed to pull themselves up!

- Dino Exploration** Learn about the dinosaurs that live long, long ago in our dino-exploration zone.
- Bed of Nails** Is it possible not to be punctured while laying on this bed? The Bed of Nails is a great way to demonstrate to guests the principle of pressure: "force-per unit area", and for group discussions of Newton's Laws of Motion.
- TV Trivia** From catch phrases to opening jingles, guests will test their knowledge of popular current and past television shows, while using our touch screen monitors.
- Light Sequences** The student's memory skills will be put to the test with this larger-than-life size version of the retro Simon game.
- Extreme Animals** Guests will learn what type of bird is the fastest, spot the many animals in the wall mosaic and hear the various roars a lion can make at this information zone.
- Speed of Light** Have your guests test their reflexes while competing for the highest score. This exhibit is great for group discussions about the relationship between human body parts, specifically hand-eye coordination and the nervous system.
- Strike a Pose** Guests can leave their shadow behind in this unusual experiment. Through phosphorescence, this exhibit retains student's images on a special wall for several minutes. Your guests will stand directly in front of the wall and block bright light from reaching it. While the rest of the wall quickly absorbs the light, the area blocked by your student remains dark, even after he/she walks away.
- Spin Browser** Guests will traverse forward and backward in time with the interactive spin browser.
- Giant Piano** Compose music with your feet on this Giant Piano. Guests can start by trying “Twinkle Twinkle Little Star” or “Hush Little Baby”. Who knows if you have the next Beethoven in your group!
- Can You Dig It?** Explore the depths of the ocean, a Jurassic landscape, and a wildlife safari in an interactive sandbox where you get to be help build the world around you. Interact with various creatures with your hands and mold the sand by building, mountains, volcanos and much more!
- Scientists Hall** Learn about the discoveries of some of the most influential scientists in history.
- Magnetic Gear Wall** Use the magnetic gears to create a functioning wheeled machine on the wall.

Wonder Brite Let your imagination run wild as you create artistic patterns with the giant light sticks! *WonderBrite* is a large scale Lite-Brite wall with hundreds of multi-colored acrylic rods. Children will develop their fine motor and sensory skills while they watch their creation light up!

Alien Stomper Guests will love this revolutionary multiplayer interactive game! They will stomp funny aliens and save *WonderWorks* with their feet.

Mission to Mars Take a seat in our Mars Rover and explore the surface of the popular red planet. Guests can learn how Galileo Galilei used a primitive telescope to observe Mars in 1609, and how scientists are now using rovers to map out and traverse the planet's surface.

EVA Space Suit Get inside this replica space suit. These suits must be worn to keep astronauts alive in the extreme environment of outer space. Guests will find out specifically how this suit works at this hands-on exhibit.

Mercury The goal to put a human in orbit around the Earth was accomplished with Project Mercury.

Capsule Climb inside this replica capsule that is just big enough for a single crew member.

Shuttle Landers Kids of all ages will enjoy being able to maneuver the controls of the space shuttle Discovery. By following NASA instructions, try to make a safe landing under different weather conditions. Find out if you have what it takes to pursue a career in aeronautics!

Wonder Coaster Design the roller coaster you've always wanted to ride with the help of technology. This virtual coaster has the ability to turn 360° in every direction. Hold on to your seats, while experiencing virtual physics!

Astronaut Training Challenge Feel the sensation of weightlessness like in outer space! The gyroscope is a spinning wheel in which the axle is free to assume any orientation. The motions of this gyroscope is directed by the movement and shifting of the rider's bodies and the turning force.

Forensic Lab This interactive exhibit will allow guests to experience the real work of a forensic scientist in the following three areas: fingerprint identification and 3D facial reconstruction.

Level 3

Ropes Challenge Course Guests will be able to test their endurance and locomotor skills as they encounter over 18 different obstacles and physical activities in these 3 story indoor ropes course. Closed shoes and pants required.

***XD 4D
Theater***

The 12-seat theater takes guests on an amazing adventure that transcends time, space and imagination by combining the 3D film with special effects and full motion seats. Now playing 4 different movies: Wild Wild West- Moderate, Great Wall of China-Moderate, Dino Safari- Wild or Canyon Coaster-Wild

Laser Tag

Laser Tag combines innovative technology to provide guests with a one-of-a-kind interactive experience. The object is to outplay, outlast and outshoot the other players.

***Arcade
Games***

Laser Heist, Space Invaders, Jurassic Park, Walking Dead, Air Hockey, Down the Clown, Mega Ticket Master, Beat Saber, and much more! Arcade games not included in All Access Ticket.

Far Out Art Gallery

The Far-Out Art Gallery is spread throughout the stairwells and hallways of WonderWorks. Enter a new dimension of reality and explore the unknown. Discover how perception and perspective are used in over 35 exhibits located throughout this art gallery where the unexplainable will come to life and the unusual will be the norm.

Flo-Art

What lives in your imagination? Whether you envision a world much different than your own or dream about fantasies beyond reality, WonderWorks encourages young artists to create a piece of work that expresses the magic of their imaginations.

WonderWorks Café

WonderWorks has an in-house pizzeria that is available for you and your guests to order at a special rate. Adjacent to the restaurant is a separate banquet room for your convenience. The group will have the ability to eat in one area. This makes supervising simple and worry-free!

Shop of Wonders

The WonderWorks gift shop offers a fascinating collection of themed and educational merchandise. Gift items that recapture the attraction's laboratory experience will be found here as well as curious interactive toys, puzzles and many more. Groups receive a 10% discount for purchases in the gift shop during their field trip visit.

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