

INNOVATION STUDIOS

What is unique about Innovation Studios?

Innovation Studios have the staff and program capacity to consistently change and offer new learning experiences and activities for guests age 8 and older.

Tweens and Teens

Don't miss the black lights in Designer Studio and the art tables in Doodler Studio.

Adults

You don't need children to enjoy the Museum. Ask about learning opportunities especially for adults: daily TED lectures in Imaginer Studio; telescope viewings at monthly *Star Parties* and *Celebrity Lecture Series*, a series of programs covering a variety of science, technology, natural history, education, local and regional history. Schedules for all of these adult opportunities will be listed on the Museum's web site as they occur.

Grandparents

Doodler Studio has a designated "Grand Central Station" offering special resources for grandparents and grandchildren.

Educators

Imaginer and Designer Studios house the Museum's educator professional development programs - notably the Texas Center for Inquiry - and "Saturday Educator Workshops." Explorer Studio is home to the Museum's distance learning program offering interactive videoconferencing featuring museum educators, curators and scientists. Complete information can be found at www.connect2texas.net.

Homeschoolers

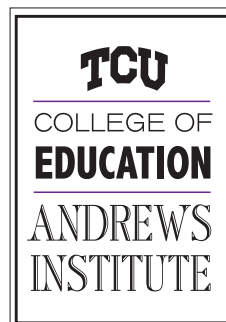
Homeschool educators and groups are welcome to participate in any of the Museum's field trip programs. Visit the homeschool page on the Museum's web site to learn more about school year programs for homeschool educators - www.fortworthmuseum.org/homeschool.

Members

Innovation Studios frequently offer special activities and events for members only. Watch your membership e-mails for event and registration details.

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LEARNING AND RESEARCH COLLABORATORS



The Fort Worth Museum of Science and History is partnering with the Andrews Institute of Mathematics & Science Education at TCU to investigate the learning environments provided by the Innovation Studios and Gallery. Playful interaction with the exhibits fosters the development of attitudes, knowledge, and skills that lead to a lifetime of curiosity, exploration, and formal science learning. Andrews Institute faculty and graduate students will 1) investigate what foundational scientific knowledge is embedded in the activities and 2) identify which National Science Education Standards this knowledge supports.



The Fort Worth Museum of Science and History is pleased to be working with UTeach Arlington, a new science and mathematics secondary teacher preparation program at The University of Texas at Arlington. One important aspect of the UTeach program includes field experiences for teacher candidates. This spring, four UTeach interns - mentored by the Education Department staff - will be working in Innovation Studios with various groups of Museum guests in a variety of programs. These experiences will help the interns develop a working knowledge of informal learning and how it can be applied to the classroom setting.



The collaboration with the Southwest Center for Mind, Brain, and Education at the University of Texas at Arlington grew out of strategic directives of the Museum's Board of Trustee Innovation Committee with leadership provided by Drs. Steffen Palko and Marc Schwartz. The collaboration aims to explore and exploit principles from the cognitive neurosciences to improve the museum experience for visitors and patrons. Graduate students in the MBE program, working with museum staff and university researchers, investigate and test promising strategies that can be used in museum settings.

INNOVATION GALLERY ■ MARCH 2013

Transforming lives through extraordinary learning environments

Setting the stage for unique opportunities that nurture your imagination, curiosity and creativity that support science, technology, engineering, arts and mathematics (STEAM) education.

In the Studios:

Inventor - Look!

Inventor Studio highlights various objects from the Museum of Science and History's collection of 135,000 scientific specimens and 45,000 historical artifacts.

Doodler - Create!

Creative opportunities with a variety of media.

Designer - Light!

Luminous explorations with light, color, and shadows.

Imaginer - Investigate!

Investigate movement, motion, waves and sound.



FORT WORTH MUSEUM
SCIENCE AND HISTORY

The Fort Worth Museum of Science and History, founded in 1941, is accredited by the American Association of Museums.



Smithsonian Institution
Affiliations Program

817-255-9300

www.fortworthmuseum.org



SATURDAY, MARCH 2 10-5

Join us for demonstrations and hands-on playshops from innovative makers in our community!

iMake is an all-ages festival and opportunity to make, create, learn, invent, craft, recycle, build, think, play and be inspired!



This event is included in general exhibit admission and features local makers, demonstrations, do-it-yourself activities and specialized Playshop classes, available on a first-come, first-served basis.

iMake is supported in part by




RadioShack



Special thanks to
Trinity Valley School

INNOVATION STUDIOS ■ MARCH 2013

Transforming lives through extraordinary learning environments.

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
 <p>FORT WORTH MUSEUM SCIENCE AND HISTORY</p>	<p>STUDIO LEARNING ENVIRONMENTS, TOPICS AND ACTIVITIES ARE DESIGNED FOR AGES 8 AND OLDER AND MAY FEATURE SMALL PARTS AND SHARP TOOLS.</p> <p>FAMILIES: Children younger than age 8 are welcome in Innovation Studios with their older siblings but must remain under close supervision of an adult while in the studios. Please be aware that most Studio activities are not age-appropriate for children younger than age 8.</p> <p>SCHOOL GROUPS: Field trip groups, <u>third grade and above with chaperones</u>, are welcome in Designer, Imaginator and Inventor Studios.</p>		<p>Doodler, Imaginator and Designer Studios are occasionally closed for programs and professional development.</p> <p>All demonstrations and activities take place in Innovation Gallery and Studios unless otherwise noted and are subject to change.</p>	<p>1 1872 - Yellowstone becomes the world's first national park.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Rebecca Crumpler and Frederic Chopin DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>iMake MAKER FEST</p> <p>10 am-5 pm</p> <p>Visit fortworthmuseum.org for details.</p>	<p>3 1831 - Thomas Jennings became the first African-American to receive a patent. His invention was for "dry-scouring" a process better known today as dry-cleaning.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Alexander Graham Bell DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>
<p>4 1993 - British journal <i>Nature</i> reported the identification of a gene that causes ALS (Lou Gehrig's Disease.)</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Antonio Vivaldi DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>5 1868 - The stapler was patented in England by C. H. Gould.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Charles Goodnight DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>6 1949 - Silly Putty, a toy based on silicone polymers which display unusual physical properties, was first marketed.</p> <p>INVENTOR: Closed until noon for Storm School. DOODLER: Create! Birthday Hat: Michelangelo DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>7 1876 - Alexander Graham Bell patents the telephone.</p>  <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Luther Burbank DESIGNER: Closed until 3 pm for a workshop. IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>8 1976, the largest recovered single stony meteorite (1,774 kg) fell in Jilin, China, during a meteor shower that dropped more than 4,000 kg of extra-terrestrial rock.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Otto Hahn DESIGNER: Light! IMAGINER: Investigate!</p> <p>Collections Spotlight-2 pm TED Talk-4 pm</p>	<p>9 1964 - The first Ford Mustang rolled off the assembly line. 22,000 Mustangs were sold the first day of sales.</p>  <p>INVENTOR: Look! DOODLER: Create! Birthday Hats: Ornette Coleman and Barbie DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>10 1880 - The Salvation Army was founded on this day.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hats: Clare Booth Luce and Harriet Tubman DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>



Innovation Gallery and Studios
March 8-17
10 am-7 pm*
**Extended hours during Spring Break!*




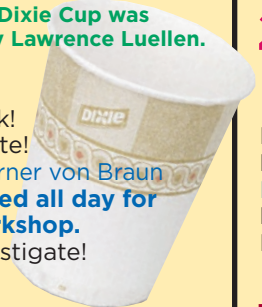

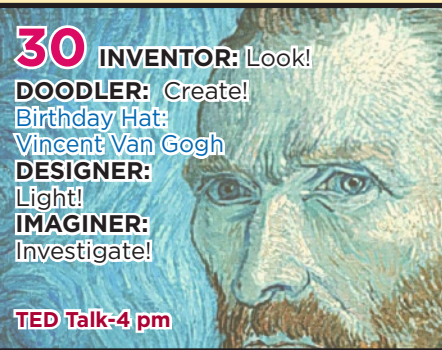
FOURTH ANNUAL PiFEST!
March 14 10 am-7 pm
Imaginator Studio

Feeling a bit irrational? Join our annual celebration of the mathematical constant of Pi and make a birthday hat in honor of Albert Einstein's 134th birthday!



The fun awaits you - science challenges, creative opportunities, engineering adventures, hula hooping, astounding science shows, face painting and more!

Innovation Studios is THE place to be for fun during Spring Break!

<p>18 1965 - Cosmonaut Aleksei Leonov becomes the first person to walk in space.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Rudolf Diesel DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>19 1918 - Congress approves the standard time zones and Daylight Savings Time.</p>  <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Charles Russell and Wyatt Earp DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>20 1916 - Albert Einstein publishes his general Theory of Relativity.</p> <p>INVENTOR: Closed until noon for Storm School. DOODLER: Create! Birthday Hat: Fred Rogers DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>21 1871 - Henry Morton Stanley begins his trek to find missionary and explorer David Livingstone.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Johann Sebastian Bach DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>22 1733 - Joseph Priestly invents carbonated water (seltzer.)</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Louis L'Amour DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>23 1907 - The Dixie Cup was invented by Lawrence Luellen.</p>  <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Werner von Braun DESIGNER: Closed all day for a Girl Scout Workshop. IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>24 1882 - German scientist Robert Koch announced he had discovered the bacillus that causes tuberculosis.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: John Wesley Powell DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>
<p>25 1954 - RCA manufactured the first color television.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat for Jim Lovell DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>26 1953 - Dr. Jonas Salk invents a vaccine to fight polio.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Robert Frost DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>27 1794 - The U. S. Navy was created.</p> <p>INVENTOR: Closed until noon for Storm School. DOODLER: Create! Birthday Hats: Wilhelm Rontgen and Ludwig Mies van der Rohe DESIGNER: Light!</p> <p>TED Talk-4 pm</p>	<p>28 1797 - Nathaniel Briggs patents the washing machine.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Henry Rowe Schoolcraft DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>29 1886 - Coca Cola was invented.</p>  <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Edwin Drake DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>	<p>30 INVENTOR: Look! DOODLER: Create! Birthday Hat: Vincent Van Gogh DESIGNER: Light! IMAGINER: Investigate!</p>  <p>TED Talk-4 pm</p>	<p>31 1811 - The Eiffel Tower was completed.</p> <p>INVENTOR: Look! DOODLER: Create! Birthday Hat: Robert Wilhelm Bunsen DESIGNER: Light! IMAGINER: Investigate!</p> <p>TED Talk-4 pm</p>