

CONNECTICUT SCIENCE CENTER

5th Grade Curriculum Connections (CT)



Standing Sound Wave Tube



Laser Harp



Planetary Soup Cans

Exhibit Connections:

All of our 165+ hands-on exhibits are educational and fun for any age. This is a small selection of permanent exhibits that tie directly into the 5th grade curriculum.

Curriculum Connection	Gallery Name	Floor	Exhibit Name	Description
5.1a Sound	Sight and Sound	4N	NEW! Musical instruments: Laser Harp	Move your fingers through space and create a lush melody.
	Sight and Sound	4N	NEW! Standing Wave Tube	Discover the three-dimensional nature of sound.
	Sight and Sound	4N	NEW! iHeartRadio Sound Studio	Investigate sound in our very own sound booth. Use a voice analyzer to explore the vibrations of your voice and how outside noises affect it.
5.1b Light	Exploring Space	5N	Electromagnetic spectrum	There are different types of light.
5.1b Light	Energy City	6S	Photovoltaics on the Go	See how light energy is converted into

				electrical energy.
	Energy City	6S	Photovoltaics on the Go	Get a sense of how humans can harness the Sun's energy.
	Energy City	6S	Battle of the Bulbs	Some ways of converting electricity into light use more energy
	Energy City	6S	Energy Efficient Windows	Some materials can block light out better than others to keep your room cool.
5.2 Senses and Judgments	Sports Lab	5S	Downhill Dash	Test your reflexes during skiing.
	Picture of Health	5S	Measure Stress	See how distractions can affect your focus and reaction time.
	Sports Lab	5S	NEW! Driven by Innovation driving simulator	Ride from The Hartford to the Connecticut Science Center avoiding distractions along the way.
5.3 Solar System	Exploring Space	5N	Experience the starkness of the Moon	Observe the Moon close up.
	Exploring Space	5N	NEW! Newton's Air Hockey	Explore how asteroids collide on a friction-free surface.
	Exploring Space	5N	NEW! Planetary Soup Cans	Investigate how much an ordinary can of soup weighs on each of the planets in our Solar System.



New for 2017! Junior Paramedics



New for 2017! Science Alley

Special Traveling Exhibits Included with General Admission

Alien Worlds and Androids: Fall 2017

It may be an out of this world experience, but you will leave feeling like you took a fantastic journey through space and time. Alien Worlds and Androids brings guests face-to-face with worlds far beyond their own, and introduces the technology that takes them there.

Bionic Me: Spring 2018

Test your own limits as you run, sense, and navigate. Explore how technology can enhance your abilities and integrate with your body. Imagine your future: what choices will you make and how might they change your life?

Live Gallery Science Programing (Included with General Admission)

These hands-on activities supplement the exhibits in our galleries.



3D Movies:

- *NEW! Dream Big*
- *NEW! Extreme Weather*
- *3D Sun*
- *Galapagos*
- *Journey to Space*
- *Hidden Universe*
- *Last Reef*
- *Mysteries of the Unseen World*
- *Tornado Alley*
- *Wild Ocean*

Stage Shows:

45 minute interactive demonstrations with a STEM Educator.

Creative Creatures (Grades K-5)

Explore wild habitats to discover how different creatures adapt to their surroundings. After the show, participants can get up close and personal with some of our favorite critters and ask additional questions.

Forces and Motion (Grades 4-8)

This unique program format will engage your students in physics and introduce them to Newton's Laws. The show combines live demonstrations with video and other imagery projected on the theater's 30' x 40' screen.

NEW! Global Soundscapes (Grades 4-8)

Immerse yourself in the amazing sounds of our planet! Through giant screen images, surround sound, and live presentation, **Global Soundscapes** takes you on an ear-opening journey into the science of sound and the emerging field of soundscape ecology. Embark on a mission to investigate the dramatic soundscapes of Costa Rica's rainforests, Hawaii's coral reefs, and Mongolia's vast grasslands. Learn how animals use sounds to survive and communicate in lush, but threatened environments. Discover what soundscapes tell us about the health of our planet. With **Global Soundscapes'** unique format—combining giant screen images, surround sound, and live presentation—you'll hear the Earth in a whole new way!

Discovery Center Lab Programs Grades 3-5:

45-minute classroom program run by our very own STEM Educators. These lessons are inquiry based and align with the Connecticut State Framework or the Next Generation Science Standards.



- **Melting Away**
- **Don't Lose Your Cool**
- **New! Crash Lab**
- **What's For Lunch?**
- **Washing Away**
- **Make it Magnetic**
- **Sound Off!**
- **Refraction Action**
- **A Chem-mystery**
- **Sense-ational Science**
- **Snap Decisions**
- **Energy Through Time and Space (60 Minutes)**



NEW! Butterfly Encounter – Wild Wings 20 minute program

Join hundreds of butterflies at the most glorious stage of their fascinating lifecycle in a tropical greenhouse- an all new, must-see destination within the Connecticut Science Center.



For More Information:

Visit: CTScienceCenter.org/fieldtrips

Book: CTScienceCenter.org/booknow

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