

CONNECTICUT SCIENCE CENTER

4th Grade Curriculum Connections (CT)



Mindball – Health Lab



Stream Table – River of Life



Our Eyes on Mars – Exploring Space

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 4th grade curriculum.

| Curriculum Connection | Gallery Name | Floor | Exhibit Name | Description |
|-------------------------------|---------------------|-------|--|--|
| 4.1 Forces & Motion | Sports Lab | 5S | Helmet Crash Test | Investigate how force changes on a helmet by changing the height of a hammer. |
| | Invention Dimension | 5N | Lego Ramp | Investigate the forces that move a lego car down a ramp |
| | Exploring Space | 5N | Newton's Air Hockey | Explore how asteroids collide on a friction-free surface. |
| 4.3 Energy in Earth's Systems | Exploring Space | 5N | Explore the Red Planet: Mars Pods | Compare the surface of Mars to Earth and look for similarities and differences |
| | Exploring Space | 5N | Our Eyes on Mars: The Search for Water | Identify Martian landforms that could have potentially been formed by water. |

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| 4.3 Energy in Earth's Systems | River of Life | 6S | Stream Table | Investigate erosion in a large stream table |
| | River of Life | 6S | Connecticut River Watershed | Observe how the Connecticut River starts, travels and ends |
| | River of Life | 6S | CT River Flyover | Take a closer look at the Connecticut River and identify signs of erosion |
| | River of Life | 6S | The River of Yesterday | Learn how the CT River was used in the past |
| | River of Life | 6S | Current Highs and Lows | See how the flow of river changes through time |
| 4.4 Energy Transfer & Transformations | Picture of Health | 5S | Mindball and Team Mindball | See how electromagnets can be used to move a ball with your mind |
| | Energy City | 6S | Meet the Fuel Cell | See how a fuel cell converts gas into electricity |
| | Energy City | 6S | Comparing Bulbs | Electricity can be converted into light in different ways |
| | Energy City | 6S | Wind Workshop: Turbine Cutaway | Wind to Electricity with a electromagnetic coil |
| | Energy City | 6S | Light Power | Generate electricity to power light bulbs |
| | Energy City | 6S | Power Up Energy City | Experience how a city is powered |



New for 2017! Junior Paramedics



New for 2017! Science Alley

Special Traveling Exhibit (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 Programming (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.

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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