

Putting Science To Work In Connecticut – Health

Teacher Trail Guides

(Information regarding these OWC kiosks can be found in the Career section)

OWC Teacher Trail Guide

Putting Science to Work in Connecticut

Visit the **Picture of Health Gallery** on the 5th floor
Find the Putting Science to Work in Connecticut video kiosk

View the two videos filmed at the following locations in the State of Connecticut:

Mount Sinai Rehabilitation Hospital, a SAINT FRANCIS Care Provider
Ahlstrom Nonwovens LLC

Please answer the following questions related to each video:

Mount Sinai Rehabilitation Hospital, a SAINT FRANCIS Care Provider

What is a Lokomat? What is it used for and how could it help a patient?

Ahlstrom Nonwovens LLC

What is a Nonwoven composite? Why is it important to maintaining good health?

What health careers are included in these videos?

There are many people that live and work in our State of Connecticut that contribute to keeping us healthy in our communities.

Have you ever thought about pursuing a health related career in the future?

Teacher notes:

A Lokomat is advanced robotic therapy equipment that is able to train stroke damaged brains to regain control over their bodies. It allows people to recover and improve their lives. Patients basically relearn how to walk. Not only stroke victims but patients with spinal cord injuries and MS patients are now using this technology.

A nonwoven composite is a web of material- synthetic material is compressed into a sheet. It is a breathable viral barrier. Specialized plastics are used to create the non-woven, multi-layered materials which allow air and moisture to pass through, but block the passage of bacteria and even viruses. These materials are used in hospitals to protect both the patients and medical staff from potentially deadly contamination.

Physical therapist and Product Development Scientist are the careers seen in the videos.

Sponsored by State of Connecticut Office for Workforce Competitiveness

Putting Science To Work In Connecticut – Health Student Trail Guides

OWC Trail Guide

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5th Floor!

Making Sense of your Senses*

Correlations with Gallery Programs:

The following Gallery Experiences complement this lesson. They are featured in our Body Lab located on Level 5 in the Picture of Health Gallery.

Eye Anatomy with Cow Eye Dissection

(Grades 5-8)

View demonstration of a cow eye dissection. Eye organ structures are compared to a human eye model and a camera.

Can You Hear Me Now?

(Grades 5 to 8)

Hands on ear examination of a life size human ear simulator using authentic medical equipment. Learn and perform procedures of proper ear care and maintenance.

Health Care Careers: Nursing and EMT

(Grade Level 5-12)

Employ hands-on nursing and first responder life-saving techniques using medical simulation technology. Assessment of vital signs in both real humans and a medical human simulator.

**If you wish for your students to take advantage of this Gallery Science program, you must make arrangements with a Gallery Scientist 30 days prior to your visit. For more information please contact Gallery Scientist Joanna Correa at jcorrea@ctsciencecenter.org*