

Science Concepts in the Real World Educator Workshop May 24th, 2024

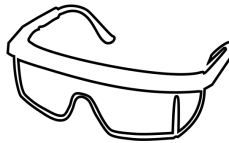
When will we ever use
this in the real world?

AGENDA

tinyurl.com/RealWorldScience



All Sites



Provided when
Necessary

Learning Objectives

- Understand jobs in healthcare and related fields to better guide students for careers that match their interests and aptitudes.
- Understand and provide real life scenarios of science in healthcare and other related fields in the classroom as concepts are applied in science classes.

7:45 - 7:55 **Arrival at Cleveland Clinic Avon Hospital**

[33300 Cleveland Clinic Blvd, Avon, OH 44011](#)

(SEE MAP ON LAST PAGE FOR PARKING)

8:00 - 8:45 **Welcome & Overview**, Dave Miller / ESC of Lorain County

- Learning Objectives
- Schedule
- Lunch
- Participant Introductions

8:45 - 9:00 **Welcome to Cleveland Clinic Avon Hospital**

Marcus Madison, Community Relations Program Manager

- 9:00 - 10:00 **Cleveland Clinic Avon Hospital Pharmacy and Lab Tour**
Pharmacy, Margaret Andersson, Director of Pharmacy
Pharmacy, Brian Rose, Inpatient Pharmacy Manager
Lab, Jill McAleer, Lab Manager
- 10:00 -10:30 **Cleveland Clinic Science Concepts In Action
Discussion & Share Out** - Applications for your
classroom, labs could tie in that you do now? Workplace
skills
- 10:30 - 11:00 **Drive to French Creek Wastewater Treatment Plant**
[2350 Abbe Road, Sheffield Village, OH 44054](#)
- 11:00 - 11:30 **Lunch**
- 11:30 - 12:45 **Overview of Plant and Tour**
Corey Timko, Superintendent
- 12:45 - 1:15 **Drive to Avon Lake High School**
- 1:15 - 1:30 **French Creek Wastewater Treatment Plant Science
Concepts in Action Discussion & Share Out**

Concepts in Action Deep Dive

	<u>Group A</u>	<u>Group B</u>
1:30 - 2:15	Aseptic Techniques & Pharmacy Simulation	Foul Water Lab
2:15 - 3:00	Foul Water Lab	Aseptic Techniques & Pharmacy Simulation

3:00 - 3:25 **Concept Deep Dive Share Out & Replication to the Classroom**

3:25 - 3:30 **Final Q & A, Evaluation**

ESC Contact Info

Dave Miller, miller@esclc.org 440 610-0782

Cleveland Clinic Avon Hospital

33300 Cleveland Clinic Blvd, Avon, OH 44011

French Creek Wastewater Treatment Plant

2350 Abbe Road, Sheffield Village, OH 44054

Resources

Cleveland Clinic Lab Resources

[Urine Slideshow](#)

[Blood Cell Slideshow](#)

[Cleveland Clinic Job Roles](#)

Petri Dish Experiment

[Petri Dish Standards and Activity](#)

Pharmacy Simulation

[Pharmacy Simulation Standards](#)

[Pharmacy Simulation Teacher Guide](#)

[Pharmacy Simulation Student Activity](#)

[Cleveland Clinic Pharmaceutical Calculations PPT](#)

[Pharmacy Video Playlist](#)

[National Public Awareness Campaign Video for Pharmacy Positions at Hospitals](#)

Foul Water Lab

[Foul Water Learning Objectives](#)

[Foul Water Lab Activity](#)

[French Creek Wastewater Treatment Plant Overview Video](#)

Lab Simulations with zoom meetings with engineers

Clean water and Pharmaceuticals

Cleveland Clinic Avon Hospital

33300 Cleveland Clinic Blvd, Avon, OH 44011



French Creek Wastewater Treatment Plant

2350 Abbe Road, Sheffield Village, OH 44054

