



8th Grade Science

Choice Board

Virtual Labs

Students, here are some interesting and challenging virtual labs that cover many of the concepts we have learned in middle school. Read through the *Introduction* and *Procedure* carefully before beginning.

In this **Virtual Lab** you will investigate the structure of Earth's atmosphere.
http://www.glencoe.com/sites/common_assets/science/virtual_labs/ES14/ES14.html

In this **Virtual Lab** you will investigate the vast distances between the planets and the relative sizes of the planets.
http://www.glencoe.com/sites/common_assets/science/virtual_labs/E28/E28.html

In this **Virtual Lab** you will investigate the use of a Punnett square to find possible gene combinations and to create a fictitious

Virtual Field Trip

Take a trip through the International Space Station. Join Expedition 33 Commander Suni Williams as she tours the International Space Station.

https://www.nasa.gov/mission_pages/station/main/suni_iss_tour.html



Visit the Smithsonian National Museum of Natural History

<https://naturalhistory.si.edu/virtual-tour>



Famous Scientists



Read about the life of a famous scientist and write a short summary.

- What is their background? Childhood, education, etc.
- Why did they become a scientist?
- What are they known for?
- Why is it important that we know about them?

Ideas for the week:

Dr. Mae Jemison
Rachel Carson
Dr. Jonas Salk
Carl Sagan

animal.

http://www.glencoe.com/sites/common_assets/science/virtual_labs/E09/E09.html

Legends of Learning

Students you can challenge yourself by reviewing many of the scientific concepts that we have learned in middle school by visiting the website, "Legends of Learning".

- Click on the following link to get started:

<https://app.legendsoflearning.com/login/>



1. Log in as a student
2. Play a teacher's playlist
3. Enter the following teacher code:
stocke2
4. You will need to create an account and design your avatar. Be sure to use a password that you will remember (*write it down for quick reference*)

ScienceWorld

Students we can explore the most current events happening in the scientific community with our class subscription to ScienceWorld.

- Click on the following link to get started:

<https://scienceworld.scholastic.com/>



1. Log in as a student by clicking, "I am a student"
2. Use the following classroom password:
cameron221

Now you can explore the most current issues by reading articles, watching interesting videos, & testing your skills with sci-trivia games.

Have Fun!

Hands-On Labs



Bubbleology

Think of the last time that you were blowing bubbles.

What tool did you use to blow the bubbles? Could you blow bubbles with other items? Which of these tools will make the longest lasting bubbles?

Directions:

1. Choose 3 household items that you could use in soapy water to make a bubble. (Ideas for tools: straw, rubberband, cookie cutter, wiffle ball ...)
2. Make and write a prediction for which tool you think will make the longest lasting bubble. Explain why.
3. Use each tool to make a bubble and time how long until the bubble pops. Record your data.
4. Was your prediction supported or contradicted?