8TH GRADE SCIENCE

THE SCIENCE NEWSLETTER FOR THE 8TH GRADE YEAR

HOW TO CONTACT THE TEACHER - SCIENCE CLASS AND ASSIGNMENTS - COVID-19 VIRTUAL CLASSROOM INFORMATION - VIRTUAL LEARNING EXPECTATIONS - PROFICIENCY SCALES - 8TH GRADE SCIENCE SYLLABUS

WELCOME BACK TO SCHOOL
How to Contact the Teacher

Parent:
Email: csadowski@cpsk12.org

Student:
Zoom chat and/or Schoology message
Wednesday Office Hours: 1-3
https://cpsk12.zoom.us/j/91531321344

Zoom codes (use this code M,T,TH,F)
First hour: https://cpsk12.zoom.us/j/94120367463
Second hour: https://cpsk12.zoom.us/j/91291802584
RTI: https://cpsk12.zoom.us/j/98568783407
Advisory: https://cpsk12.zoom.us/j/95195595645

Science Class and Assignments
The COVID-19 affection rate in our community will determine if we are in-person, hybrid or virtual for at least the first semester this year. The good news is that no matter where your student is learning, lessons, activities and assessments will be found in Schoology. The activities will not change with changes to the learning setting. All semester long, students can access weekly lessons in their science Schoology folder.
**Covid-19 Virtual Classroom Information**

This year is filled with a lot of unknowns. We are starting the year all virtual, but there is a possibility going hybrid or in-person depending on the infection rate in our community.

- Everything (lessons, activities, quizzes, tests, group work in zoom break out rooms, projects...) will be online. To participate students are required and expected to have access to their charged iPad every day.
- All activities for this school year will be found on Schoology. The activities (including notes and Zoom meeting links) will be Schoology folders labeled for each day by week. Your student(s) will simply need to submit their work back into the same Schoology for the entire school year.

**VIRTUAL LEARNING EXPECTATIONS**

- Raise your hand in the video OR use the raised hand icon
- Be respectful and listen to the speaker and make sure to mute your microphone to reduce distractions.
- Be prepared and have a charged Ipad.
- Have your camera on OR have your zoom icon be a picture of you.
- No private chat
- Limit other screens
- Bullying. [“8th Grade Science Virtual Student Contract”](#)
- Have your first and last name as your zoom sign in
- It’s ok to leave to go to the bathroom during appropriate down time
- We will expect active participation (chats, polls, icons, break out rooms..)

**INTERESTING FACT ABOUT MS. SADOWSKI**

in my classroom, I have a crested gecko named Sandy. It is about 1 year old and loves to hide in the bushes and jump on humans.

In the Summer of 2019, I climbed the second highest mountain in the Smoky Mountains. It took my Fiance and I about 8 hours to hike the mountain. the view was interesting....
SEMESTER 1:

Earth’s Place in the Universe: This unit will explore the universe as a whole and addresses its grand scale in both space and time. This exploration includes the overall structure, composition, and history of the universe, the forces and process by which the solar system operates, and the Earth’s planetary history.

Earth’s Systems: Geology: This unit explores the Earth’s materials and how they interact. Plate tectonics is the unifying concept that explains the past and current movements of the rocks at Earth’s surface and provides a coherent account of its geological history. Maps of ancient land and water patterns, based on investigations of rocks and fossils, make clear how Earth’s plates have moved great distances, collided, and spread apart.

SEMESTER 2:

Heredity: Inheritance and Variation of Traits: This unit focuses on the flow of genetic information between generations. This idea explains the mechanisms of genetic inheritance and describes the environmental and genetic causes of gene mutation and the alteration of gene expression. Evolution and its underlying genetic mechanisms of inheritance and variability are key to understanding both the unity and the diversity of life on Earth.

Adaptations: Evolution and survival are driven by adaptations that help a particular organism survive in its environment with greater success. Students will study the different roles adaptations play in an environment including physical, chemical, and behavioral adaptations.