



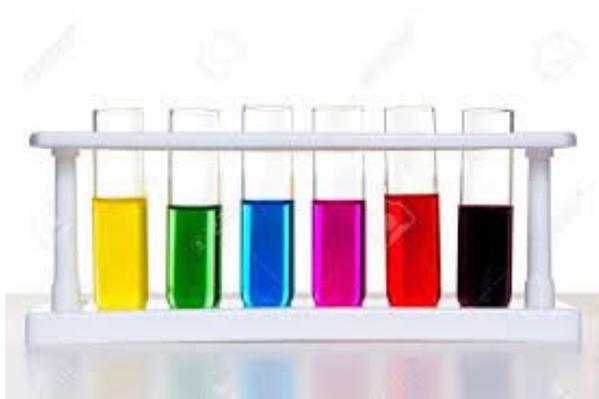
9th Grade Science
Integrated Earth and Physical Science

We are halfway through the first marking period!! Hard to believe parents/guardians but you should have received your child's first progress report. We have been hard at work reviewing many topics from their previous science classes. We have reviewed measurements, both U.S. and metric, scientific method, lab safety and lab equipment. We have embarked on our first unit, "Water". As I explained to most of you on Back to School night, we are learning everything you ever wanted to know about water. Where does our Derby water comes? How do we clean water? How do we get our bottled water? How do we recycle plastic? Where does plastic go if we don't recycle? Please ask your student about what they are learning in science.



Biology

Yeah Science! In Biology we have worked our way through part of the Unit on Matter and Living Things! We have been discussing and working with **MACROMOLECULES!** Students received their first progress report and have been introduced to the lab! I look forward to using the microscopes in the future to discover cells and what is inside the microscopic world!



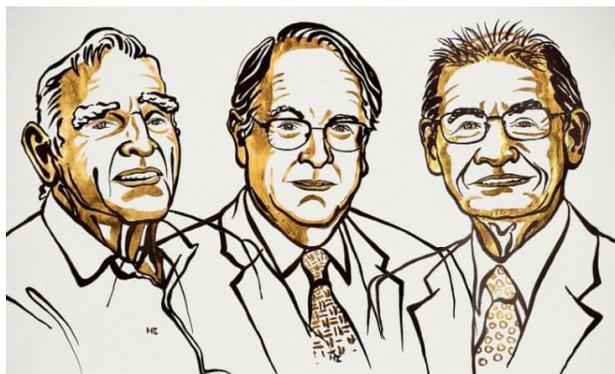
Chemistry

Houston, DHS Mission Control. Students begin exploring the classification of stellar structures in our physical universe. Analyze and explain data of the stars NASA Houston needs you to research based upon their luminosity and temperature. We then need you to plot these stars on a diagram called a Hertzsprung-Russell Diagram. This will allow you to classify the stars based on whether they are Main Sequence, Giants, Super Giants, and White Dwarfs. When completed please write us back with the explanations to your findings.

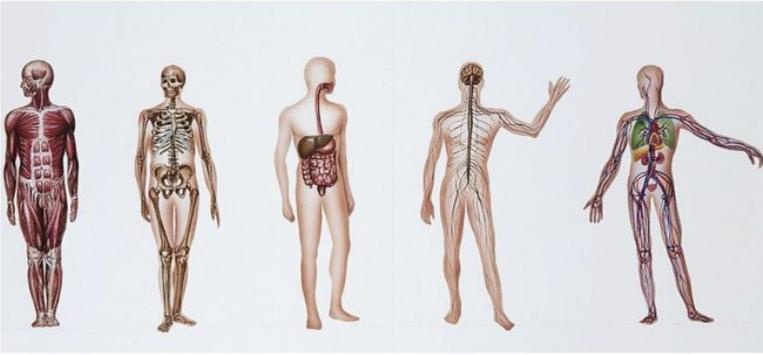
Nobel Prize 2019 Chemistry:

Nobel prize in chemistry
awarded for work on
lithium-ion batteries

John B Goodenough
M Stanley Whittingham
Akira Yoshino



Anatomy



The course focuses on the structure and function of the human body. The students are currently reviewing Chemistry and Cell Biology. Next quarter will focus on the human tissues, integumentary system, skeletal, and muscular system.

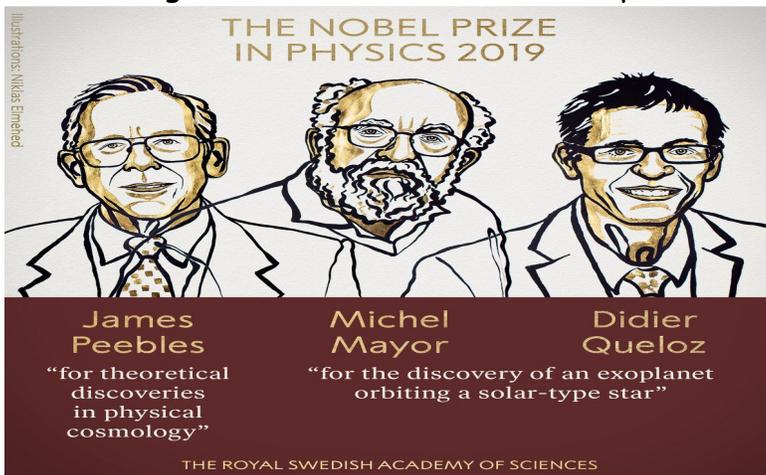
Forensic Science

Who Dunit? A crime has occurred in Rm 114 at DHS, Ms. Shea's purple backpack was stolen. The class is investigating the crime using the skills that they learned during the last two weeks. The first piece of the investigation included a police interview with a witness from the class. The second piece of the investigation was a police sketch with a sketch artist. The investigation will continue with a police interrogation of the suspects and an arrest of the suspect. (Note: all suspects are teachers playing along with the skit) The students are currently engaged and excited to solve the crime.



Astronomy

Students were introduced to the Founders of Modern Astronomy by going back in history and learning about the scientists who paved the way for future endeavors. Soon after we began discussing and evaluating the explanation to the expansion of the universe by means of the Big Bang Theory. Students were then given a quiz to assess their learning on the topic. The most recent topic students were introduced to was planetary science; this is where students received the knowledge that would allow them to explore the deepest reaches of our solar system.



Marine Science

So far in Marine Science we have learned about the basic layout of our oceans, salinity/buoyant forces, and also created a project involving the Marine Water Cycle. Soon we will be learning about corals and many other marine organisms.

