

NGSS Updates

Grade 7 & 8 science curriculum has fully integrated the Next Generation Science Standards.



Technology: Google G Suite

Students will use Google Classroom as their "home base" for science class.

*

Announcements, assignments, and notes will all be posted here.

*

Students will receive email alerts when something new has been posted.

"IF YOU'RE
SCIENTIFICALLY
LITERATE, THE WORLD
LOOKS VERY DIFFERENT
TO YOU, AND THAT
UNDERSTANDING
EMPOWERS YOU."

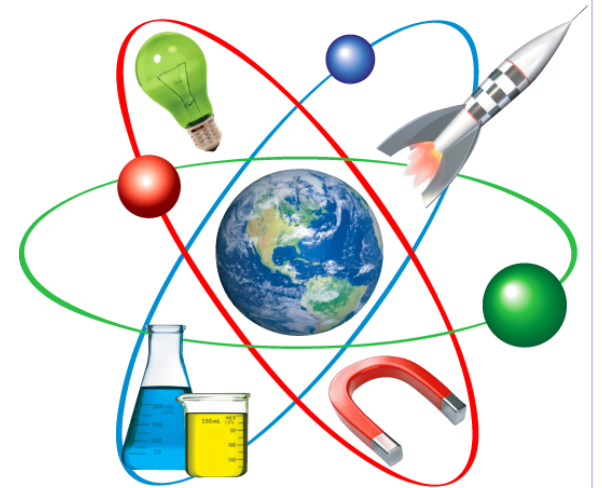
~Neil DeGrasse Tyson



Science

2018-2019

GRADES 7 & 8



MS. KLEINMAN
bkleinman@hwporter.org
Room 708

Grade 7 Science

FROM MOLECULES TO ORGANISMS



- Connecting the cellular process of respiration to the successful functioning of the human body.

GEOLOGY

- Looking into Earth's geological history, to explain Earth's current physical state, both inside and on its surface.

ENERGY & WAVES

- Exploring the transfer of energy through a system.

Science & Engineering Practices

Improving Critical Thinking Skills & Scientific Literacy

- ASK QUESTIONS/DEFINE PROBLEMS
- DEVELOP & USE MODELS
- PLAN & CARRY OUT INVESTIGATIONS
- USE MATHEMATICAL & COMPUTATIONAL THINKING
- ANALYZE & INTERPRET DATA
- CONSTRUCT EXPLANATIONS/ DESIGN SOLUTIONS
- ENGAGE IN DISCUSSION BASED ON EVIDENCE
- OBTAIN, EVALUATE & COMMUNICATE INFORMATION



Grade 8 Science

GENETICS & EVOLUTION

- Looking at how DNA moves through generations and what that looks like over vast periods of time.

SPACE

- Investigating Earth's place in the solar system, galaxies, the universe, and the future of space exploration.

FORCES & MOTION

- Exploring the moving, physical world around us in terms of interacting forces.
- Designing and constructing model bridges.

