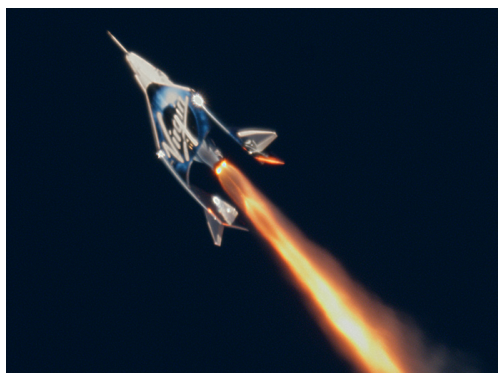


6th Grade Science Syllabus
Mrs. Cunningham
2021-2022
Room 11



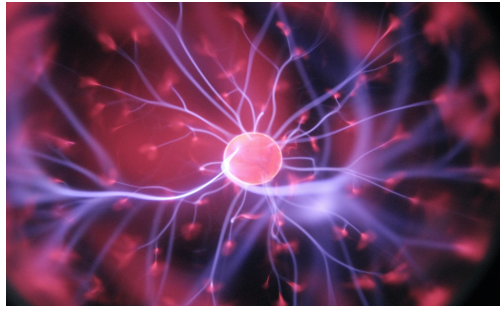
Course Description: 6th Grade Science is a rigorous academic course designed to support all students at their current level and encourage growth and development in their academic abilities. This course will enable students to understand, apply, analyze, and evaluate scientific concepts. Students will also demonstrate knowledge and skills through the creation of models and cumulative projects. Curriculum is based on the Next Generation Science Standards (NGSS) for middle school. If you would like more information about NGSS, you can visit this site: <https://www.nextgenscience.org/>

Enduring Understanding: Everything is Everything! The natural world is interconnected. Students will be able to recognize that the natural world is made of systems and patterns that constantly interact and affect one another. Students will develop an understanding of their place in the natural world and how human behavior affects the natural world, and in turn themselves and our greater communities.

Schedule:

Monday-Thursday: Science Review, Data collection, Notes, Practice, Exit ticket, clean-up, review, dismiss

Friday: Weekly Quiz or test, notes and data collection check for weekly participation grade



<u>Semester 1 Units of Study:</u> Engineering and Design/Scientific Thinking Energy Water cycle, Weather and Climate	<u>Semester 2 Units of Study:</u> Rock Cycling, Plate Tectonics Natural Hazards Organism growth, cells and systems
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Materials:

1. 2 Composition notebooks (college ruled)
2. Writing utensils (pencils, pens, colored pencils, 3 different colored highlighters, erasers, pencil sharpener)
3. 1 folder for handouts/notes/science literacy

****Join the google classroom to stay up to date if you miss class. Here is the code: `aux2eon`**

Course Grades:

Participation: 15% (notes and data collection)

data collection, practice assignments, group work collaboration assignments, homework) All participation work is due on Friday!

Practice: 35% (science review, practice assignments, quizzes, exit tickets)

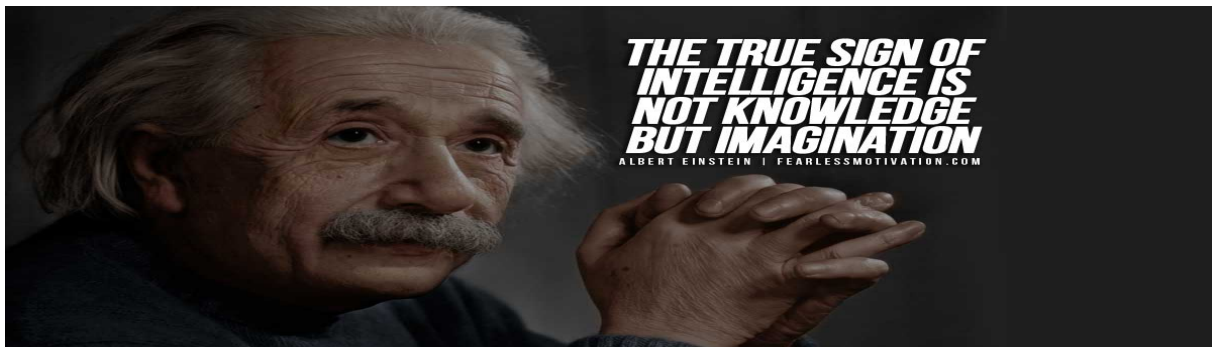
Performance: 50% (Tests and projects)

Late work is better than no work!

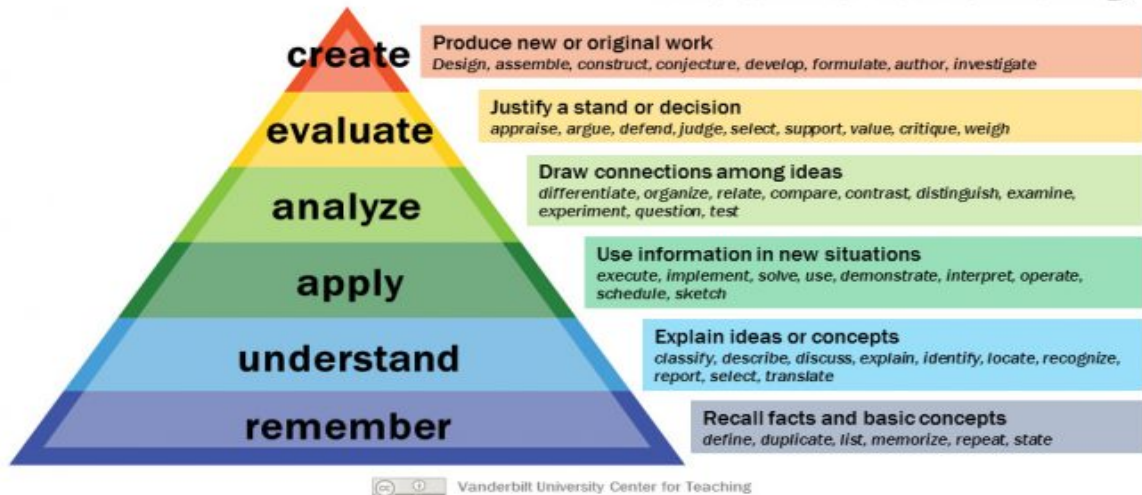
Late work will be accepted, but you will only receive 50% credit for late work. If you miss class, it is your responsibility to make up for missed work, which can be found on the google classroom.

*Each unit will have a pre and post test to gauge student growth. Pretests are NOT graded. Student progress will be assessed weekly, and I will be in communication with students and families who are falling behind, or struggling with course content to create a plan for student success.

*Early assignments in a unit will focus on vocabulary and recalling information. As the unit progresses, so will the rigor of assignments. It is expected that students will have enough knowledge on a topic to then understand, analyze, evaluate, and finally culminate in creating new or original work (see Bloom's Taxonomy below). I want to develop student's interest in science by fostering their creativity and sparking their curiosity. Students will be given options on how to present their knowledge and skills through the arts.



Bloom's Taxonomy



Class Expectations

1. One voice- when the teacher or a student is talking to the class, everyone else is silent and showing respect. Volume control is always in effect to respect our neighbors and classmates.
2. When working with a partner or in a group, ALWAYS be kind and helpful.
3. Cell phones, iatches, and headphones are prohibited during class. They must be put away in your backpack or I will confiscate them until the end of class. (There will be exceptions to this, but you must always have explicit permission from me to have them out in class)
4. Participate fully and do your best work
5. Ask and answer questions
6. Respect ALL- teacher, students, yourself, materials, and the classroom
7. Have a growth mindset! We learn the most in life when we make mistakes. I make mistakes, everyone makes mistakes and that is OK! I want to have a culture of error in our class. That means we support each other, and we take risks

(which sometimes means we make errors). Anyone who is great at something had multiple failures before they perfected that skill. Perseverance and learning from our mistakes is a growth mindset.

"Nobody wins who's afraid of losing".-Chris Stapleton's "Starting Over"

Consequences for not following class expectations:

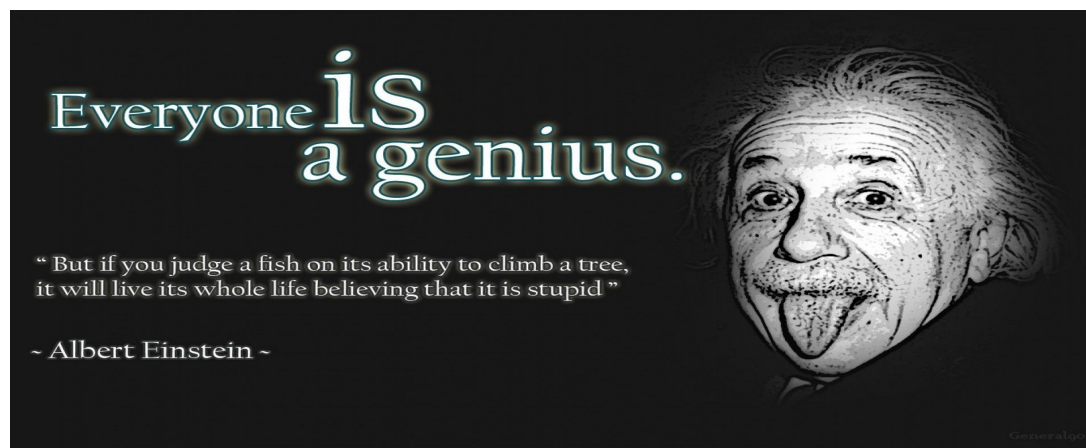
1st offense: warning

2nd offense: private conversation with student

3rd offense: family contact

4th offense: notify Assistant Principal and or Principal for disciplinary action

Follow expectations, and do your best! I promise to work hard for you and guide you to great success in science class!



Staying Connected

If you need assistance or help in any way...

Please email me at:

Tiffany Cunningham

tcunningham@paparts.net or tcunningham@paparts.org

Or text at:

646-353-9440

Office Hours: Please make an appointment as hours may vary

