

6th Grade Science Syllabus
Mrs. Cunningham
2022-2023
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/>

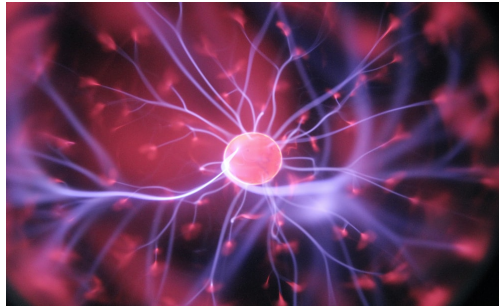
Enduring Understanding: Everything is Everything! The natural world is interconnected. Students will be able to recognize that the natural world is made of systems and patterns that constantly interact and affect one another. Students will develop an understanding of their place in the natural world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

Schedule:

Monday and Tuesday: Science Review, Notes, Practice, clean-up, review, dismiss

Wednesday: Connection circle/mindfulness practice, review, clean-up, review, dismiss

Thursday and Friday: Lab/hands on learning, clean-up, review, dismiss and quiz or test on Friday with study hall and private meetings with students who need help.



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

1. 3 subject notebook with pockets for dividers
2. Writing utensils (pencils, pens, colored pencils, 3 different colored highlighters, erasers, pencil sharpener)
3. Personal headphones
4. 1 folder for handouts/notes/science literacy

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

Course Grades:

Participation: 30% (on task behaviors) do now, notes, data collection, group work collaboration assignments) Points will be deducted for off task behaviors such as use of unauthorized devices in class Example: no cell phones, personal computers/ipads or headphones allowed in class

Practice: 20% (science reviews, practice assignments, quizzes, exit tickets, homework)

Performance: 50% (Tests and projects)

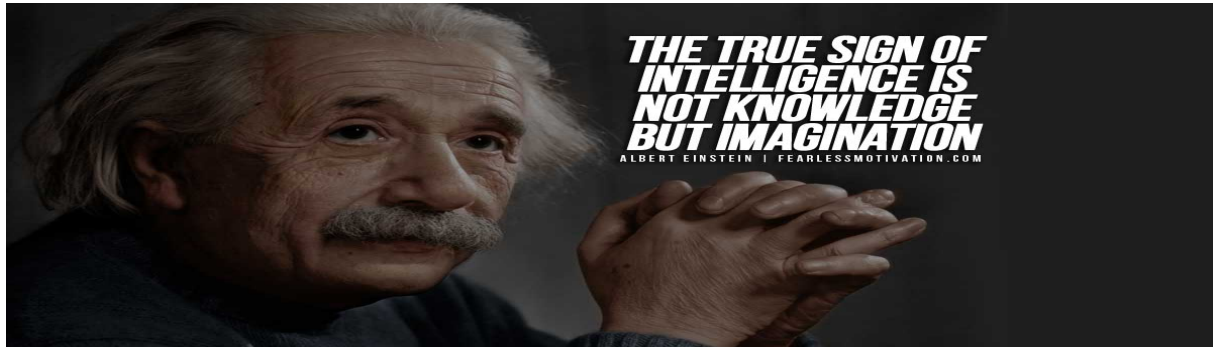
Late work is better than no work!

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. You are allowed one full week to make up for missing work, quizzes and tests. After one week of due date, you will only receive half credit.

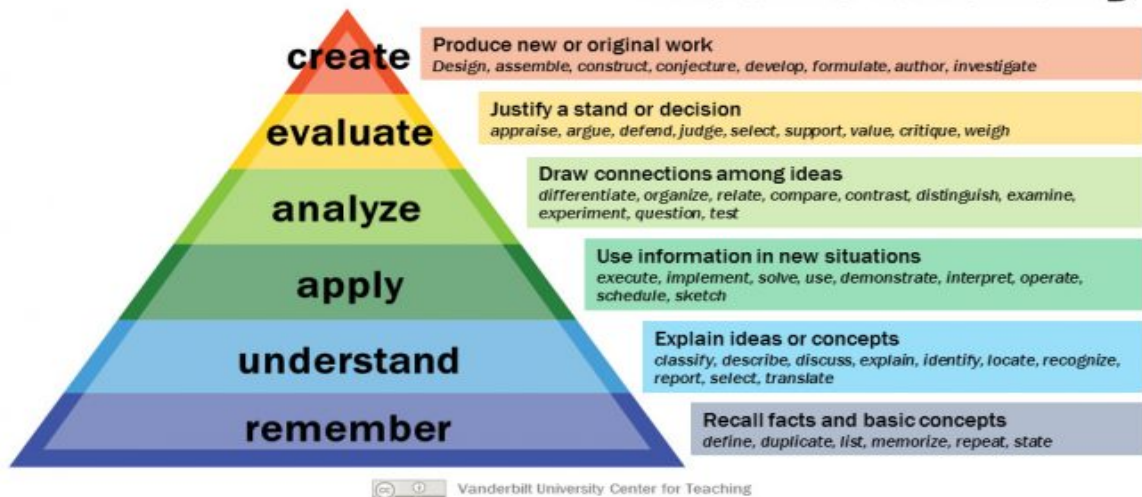
*Each unit will have a pre and post test to gauge student growth. Pretests are NOT graded. Student progress will be assessed weekly, and I will be in communication with students and families who are falling behind, or struggling with course content to create a plan for student success.

*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, personal computers/ipads 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. Points will be deducted from your weekly participation grade if you do not stay on task during class.
5. Sit in assigned seat and stay seated unless given permission to be out of your seat
6. Ask and answer questions
7. Respect ALL- teacher, students, yourself, materials, and the classroom
8. 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.

Consequences for not following class expectations:

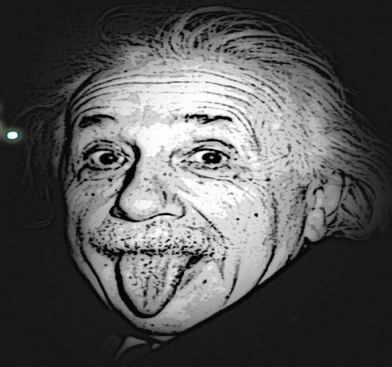
- 1st offense: warning
- 2nd offense: private conversation with student
- 3rd offense: family contact
- 4th offense: notify Assistant Principal and or Principal for disciplinary action

Follow expectations, and do your best! I promise to work hard for you and guide you to great success in science class, but you must do your part by following classroom expectations and trying your best.

Everyone **is**
a genius.

“ But if you judge a fish on its ability to climb a tree,
it will live its whole life believing that it is stupid ”

~ Albert Einstein ~



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

