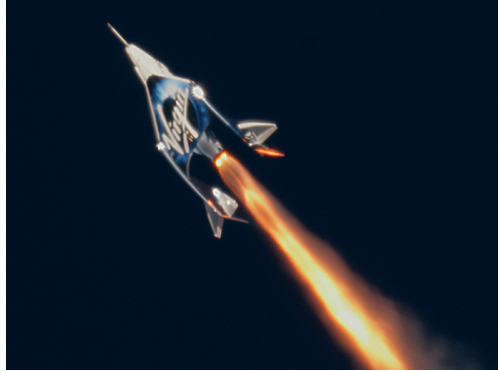


**6th Grade Science Syllabus**  
**Mrs. Cunningham**  
**Room 11**



**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 (daily), student exploration of learning target/notes/Practice assignments clean-up, review, dismiss

**Wednesday:** Social and emotional learning focus: Connection circle/mindfulness practice, review, clean-up, dismiss

**Thursday and Friday: Lab/hands on learning, review (Thursday)**  
**Quiz or test on Friday and extension learning-science literacy (Radiolab podcasts/Scientific American articles)**



<b><u>Semester 1 Units of Study:</u></b> -Engineering and Design/Scientific Thinking -Energy and Matter -Water cycle, Weather and Climate	<b><u>Semester 2 Units of Study:</u></b> -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, glue stick, scissors)
3. Personal headphones

**\*\*Join the google classroom to stay up to date if you miss class. Here is the code: kxr6hvo**

Course Grades:

Participation: 30% (on task behaviors) do now (daily review), 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% ( practice assignments, quizzes-quizzes may be retaken for mastery!)

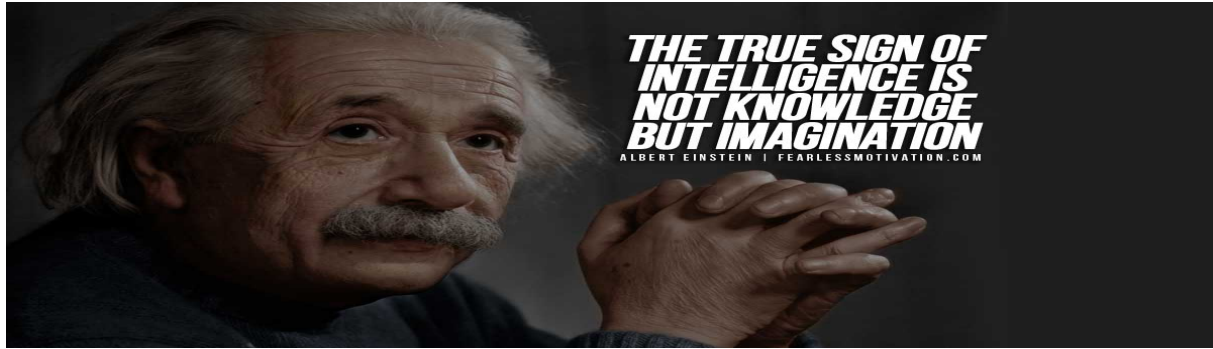
Performance: 50% (Tests and projects)

Late work is better than no work!

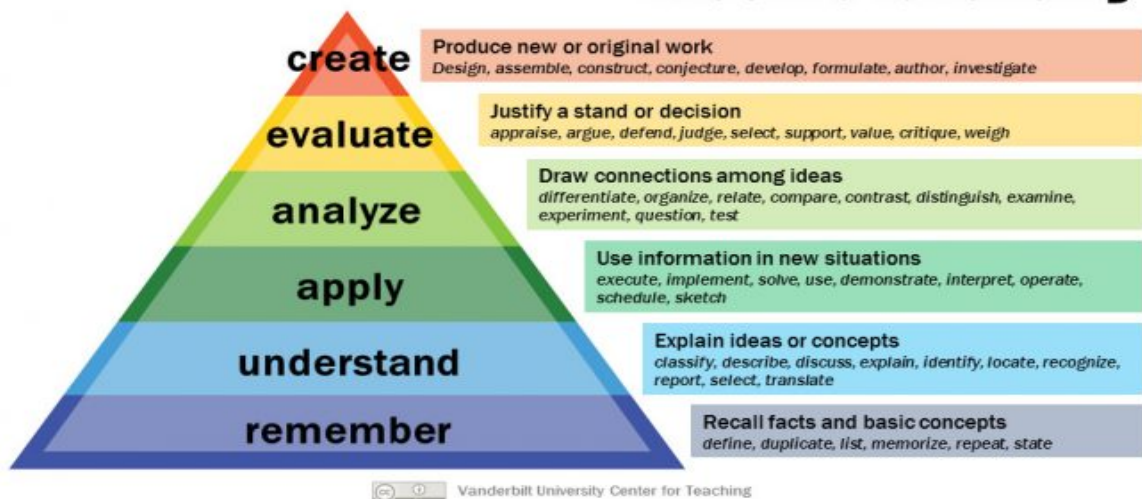
Late work will be accepted, but you will only receive 50% credit for late work. If you miss class, it is your responsibility to make up for missed work, which can be found on the google classroom. You are allowed one full week to make up for missing work, quizzes and tests.

\*\*After one week of due date, you will only receive half credit.

\*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. Respect yourself-take care of yourself  
(sleep/eat/exercise/ create goals for yourself)
2. Respect everyone (teachers, peers) safe space where everyone is seen and heard
3. Respect the school environment  
(classrooms/materials/hallways/cafe/shared spaces)

### Consequences for not following class expectations:

1st offense: redirection in class

2nd offense: private conversation with student to problem solve the issue

3rd offense: private refocus reflection sheet sent home to guardians

4th offense: family meeting with student and teacher(s)

5th offense: referral to administration for further disciplinary action

Please note: Any student who presents an immediate harm to themselves or another person will be sent to the office immediately as well as any egregious behaviors that cannot be solved within the classroom.

### Staying Connected

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

Please email me at:

Tiffany Cunningham

[tcunningham@paparts.net](mailto:tcunningham@paparts.net) or [tcunningham@paparts.org](mailto:tcunningham@paparts.org)

Office Hours: Please make an appointment as hours may vary

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.

-A Einstein

