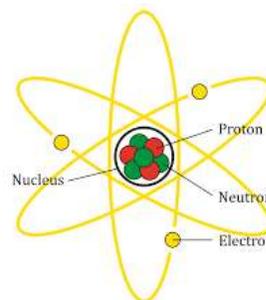


Scienc

“Anyone who has never made a mistake has never tried anything new.” – Albert Einstein

Instructor: Alfredo Barrio
Email/Twitter: fbarrio@paparts.org
period

Classroom: 10
Prep: 6th



COURSE DESCRIPTION

In Science 8 we will be learning about the physical world. We will explore matter and its relationship with energy. We will be exploring ideas in forces and motion and waves. We will also be exploring scientific and engineering practices to design and implement solutions for real world problems.

GOOGLE CLASSROOM

Login: PAPA E-mail
Password: Student ID Number

UNITS OF STUDY

In this class, we will be following the recommended secondary course map as suggested by the New Mexico Public Education Department (NMPED). Below is a link to the course map. Following the hyperlink in order to read a more in depth analysis of each standard. Be sure to look at the middle school discipline course map.

[Recommended Secondary Course Map: Science 8](#)

Fall Semester

Nature of Science

Topics: Scientific thinking and engineering practices, lab safety, bias and data analysis.

Earth and Human Activity

Topics: Earth systems and cycles, human impact, renewable and non-renewable resources.

Matter

Topics: Atomic structure, elements and compounds, atomic bonding, physical and chemical changes, chemical reactions, isotopes and radioactive decay.

Energy

Topics: Kinetic and potential energy, Gravitational Potential Energy, heat and energy transfer.

Spring Semester

Energy: continued from fall semester.

Forces

Topics: Balanced and unbalanced forces, types of forces, gravity, Newton's laws of motion.

Waves

Topics: Characteristics of waves, wave interactions, light.

MATERIALS

Pens (Blue or Black)

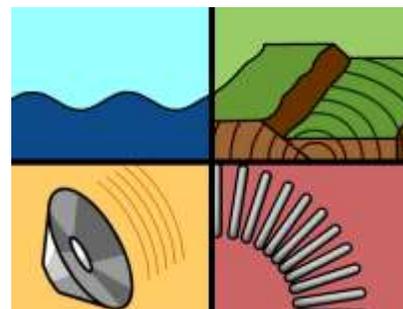
Pencils

Binder and Dividers
Scientific Calculator (optional; but highly encouraged)

Sticky Notes
Highlighter

EXPECTATIONS

- I expect that you earn HIGH GRADES THROUGH STUDYING**
A = study and review notes for 20 minutes per night
B = study and review notes for 15 minutes per night
C = study and review notes for 10 minutes per night
D = study and review notes for 5 minutes per night
F = less than 5 minutes of review per night
- What should you expect when you ask me a question?** I generally will not answer your questions directly but will help guide you to answer your own questions.
- I expect you TO THINK CRITICALLY during the course of this class!**
- I expect that NO FOOD OR DRINK (EXCEPT WATER) will be brought to class.**
- I expect to EARN your respect and that you'll EARN mine. The Golden Rule.**
- I expect you to be ON-TIME for class.**
- I expect to have your attention while teaching.** Anyone who distracts others OR me is a disruption to the educational process and will receive a verbal warning.. Subsequent disturbances will result in a referral to the office and or a parent-teacher conference.
- I expect that you'll keep your hands off of EVERYTHING in my classroom that's not yours unless you are given permission to use/handle a particular item.**
- I expect you to only use the COMPUTERS for assignments that are pertinent to this class.**
- I expect you to turn your phone off. You will not succeed in this class if you are not paying attention.**
- I expect that you'll follow the lab safety procedures. Anyone who doesn't will not be allowed to participate in lab.**



GRADING

Grades will be based on points accumulated in the following areas: summative assignments (written conceptual assignments, practice problems, etc) and summative assessments (tests and quizzes). Test and Quiz corrections are allowed.

Test and quiz corrections involve:

1. Stating the original question.
2. The correct response
3. Evidence that supports the correct answer (either from notes, discussions etc.)

.90-1.00	A
.89-.80	B
.79-.70	C
.69-.60	D
.59-0	F

To calculate grade:

$$\frac{\textit{Points Earned}}{\textit{Total Points Possible}}$$

Ex: (90)/(100)= .9 or A

ATTENDANCE/ MAKE-UP WORK

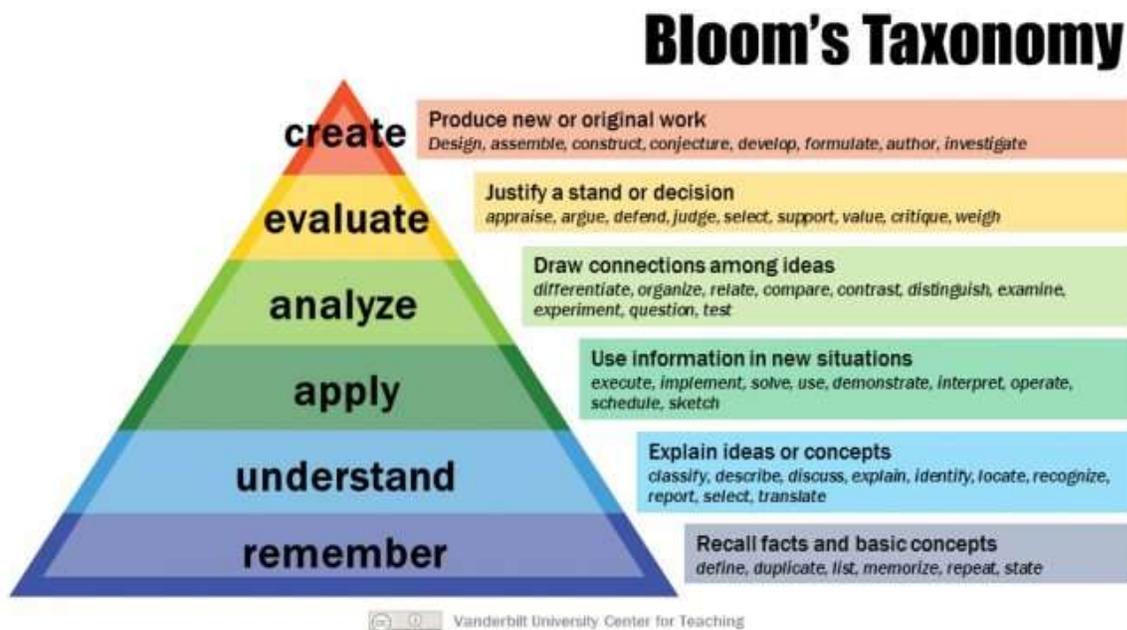
If you are absent, you are responsible for making up the work promptly. You have 2 days for every day absent. Make arrangements with me to make up tests and labs before or after school or possibly during 8th period. Make every effort to meet deadlines. Grades are updated on PowerSchool regularly so you can keep up with your average and missing assignments. Be sure to check the class website for assignments, quizzes, exams and other materials you may need.

MIDDLE SCHOOL COMMITMENT

Middle school classes have been designed to challenge students with a curriculum that will prepare you for high school life. How well you do in high school will determine the opportunities that are made available to you. Learn to build bridges rather than burn them. As a young adult, you will be expected to take on more responsibilities and be more self-sufficient. This class is no different, in order to succeed you must try and above all advocate for yourself. I tend to be more helpful to those who put in honest work. Show, don't tell me you want to succeed. It is my hope that you will leave middle school as a well rounded student who will be prepared to face the world head on.

Bloom's Taxonomy

In one sentence, Bloom's Taxonomy is a hierarchical ordering of cognitive skills that can, among countless other uses, help teachers teach and students learn. In this class we will explore each level of Bloom's taxonomy to help develop our understanding of the concepts discussed in this class.



Technology Contract

- *I will only use my phone after obtaining permission from my teacher.*
- *I will use all forms of technology only when accessing course materials and agree to abide by school policies when making any posts.*
- *I will refrain from using websites such as wikipedia.com and info.com when completing research.*
- *I will provide citations for any and all accessed information.*

I understand that if I use my technology in non-learning mode, while in class, the consequences are as follows:

- *On the first offense, the student will be given a warning.*
- *On the second offense, the phone will be confiscated for the duration of class.*
- *On the third offense, the phone will be confiscated and sent to the office until a parent/guardian picks it up.*
- *Any further offenses will be handled through the office.*

I understand that if I choose to post materials or comments that do not follow school policy, I am subject to the consequences laid out in the student handbook.

Failure to provide accurate and complete citations will result in a 0 for the assignment on the first offense. Any further offences will be handled at the discretion of the administration. All occurrences will result in parent contact.

Syllabus and Lab Safety/Technology Contract

Please read the following statements with your student. Initial along with your student after reading each statement.

____ ____ I have read and fully understand the class syllabus.

____ ____ I have read and fully understand the lab safety rules and consequences.

____ ____ I have accessed the classroom website and know how to locate needed information.

____ ____ I understand that if I use my technology in non-learning mode, while in class, the consequences are as follows:

- On the first offense, the student will be given a warning.
- On the second offense, the phone will be confiscated for the duration of class.
- On the third offense, the phone will be confiscated and sent to the office until a parent/guardian picks it up.
- Any further offenses will be handled through the office.

____ ____ I understand that anything that I post on any of our class/ school online platforms must follow the school's rules of conduct.

____ ____ I understand that returning this signed form, on-time, counts as my first quiz grade for the year and the student will be barred from science investigations until the signed contract is returned.

Student Name Printed: _____

Student Signature: _____ Date: _____

Parent Signature: _____ Date: _____

Parent email: _____