

Mr. Zachary Broschk
8th Grade Science
2022-2023 School Year
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Overview of the course:

The 8th grade science course will focus on physical science in order to prepare students for the rigor of the high school science classes. Below you will find the topics and the projects we will be completing.

Topics

- | | |
|---|---|
| 1. Scientific Inquiry and Application - <ul style="list-style-type: none">• Graphing, Data Collection, Forming a Hypothesis, Writing a Procedure... | 4. Force and Motion - Graphing velocity/ Vectors / Displacement/ Velocity/ Acceleration/ Forces/ Newton's Laws. |
| 2. Study of Matter - Classification /Atoms/ Periodic trends of elements/ Bonding and Compounds/ Reactions of Matter | 5. Genetics - Genetics / Adaption/ Natural Selection |
| 3. Energy- Potential, Kinetic, Gravitational, Magnetic, and Electrical | 6. Earth Science - Plate tectonics and Earth Systems. |

Projects: (Subject to change)

- | | |
|--|-------------------|
| 1. Science Fair (Advanced Only) TBD | 6. Element Resume |
| 2. Earth Systems Book | |
| 3. Monster Genetics | |
| 4. Balloon Cars | |
| 5. Egg Drop | |

Grades: 80% Checkpoints and Projects, 14% Focus Area assessments, 6% additional (PLT)
Viewable online through [summitlearning.org](https://www.summitlearning.org)

Self Directed Learning:

- Take the diagnostic assessment to determine depth of knowledge of content.
- Acquire content knowledge by studying focus areas with online resources, classroom activities, and teacher led demonstrations.
- Demonstrate content knowledge by passing content assessment with 80% or higher.

Project Time:

- Students develop cognitive skills as they work alongside teachers and classmates on real-world projects.

Summit Classroom Norms:

- 1 full page of notes in order to take Power Focus Areas or Additional Focus Areas
- If you do not pass on the first time we will discuss and assess what went wrong and you will have to provide two more NEW pieces of evidence PLUS sample problems.
- **Projects**
 - **Projects must to be submitted ON THE PLATFORM DUE DATE**
 - **One Week grace period for missed deadlines. If project is submitted late for any reason, you must attend OFFICE HOURS or speak to the teacher after school**
 - **In order to submit the Final Products, all required checkpoints in the project need to be completed and marked GREEN or YELLOW**
 - **Teachers will not grade projects with uncompleted checkpoints**
 - **Staff will have the ability to design courses for non-repeating cog skills.**
- Checkpoints will be either a lab activity, a practice worksheet, group discussion, class activity... etc. These will allow you to practice a skill and or gain a deeper understanding about a specific topic related to the project.

Supplies:

- 3 Ring Binder
- Loose leaf paper
- Pencils
- Computer
- Assessment Notebook (Single Subject)
- Scientific Calculator

CELL PHONE POLICY - NO CELL PHONES IN CLASS... PUT IT IN YOUR LOCKER OR PLACE IT IN THE DESIGNATED CELL PHONE SPOT IN THE ROOM.

EARBUDS - NO EARBUDS WHILE MR. BROSCHK IS TEACHING.

NO Backpacks, No Hats, No Hoods

Tardy Policy - A student is considered tardy to class if he/she arrives at class before 50% of the class has been completed. If a student arrives at class after 50% of the class has been completed, the student is considered absent from class. Students may make up all worked missed due to tardiness. Tardiness to class may have the following consequences:

- 1st - Tardy Verbal warning
- 2nd - Tardy Teacher detention/parent contact
- 3rd - Tardy Teacher detention/parent contact
- 4th - Tardy and above Office referral

Classroom Rules:

- **Be Respectful**
- Listen and follow directions
- Be on time with materials.

Consequences:

1. **Conference with Mr. Broschk**
2. **Another conference plus parent involvement.**
3. **Counselor is involved now... plus parents.**
4. **Referred to administration - you do not want to get this far.**

Bathroom Pass:

- 3 per quarter

Google Classroom Codes

1st: k5x2zsl

2nd: hvvuljc

3rd: vvsmaq3r

4th: r3nvmkf

5th: hh7xi7e

6th: bcceeyo

I have read and understand the classroom syllabus which includes information about the expectations, discipline, and grading policy. I agree that in order to have a successful year in 8th grade science, I must be respectful, cooperative and willing to learn.

Student name (print). _____

Student signature. _____

Parent/Guardian name (print). _____

Parent/Guardian signature. _____

Parent email: _____

Phone number: _____

Any additional comments, please leave me a note.