

8TH GRADE *science* SYLLABUS

HI, I'M MS.BUSI!!

CONTACT INFORMATION

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Room No. CB204



CLASS OVERVIEW

This year, you will examine the major topics of genetics, evolution, geology, and physics based on the Ohio Academic Content Standards.

Genetics:

- Heredity
- Inherited / acquired traits
- Chromosomes
- Phenotype / genotype
- Dominant / recessive traits
- Punnett Squares
- Cell division

Theory of Evolution:

- Cause of extinction
- Geologic time scale
- Natural selection

Small & Large Scale Geology

- Weathering, erosion, and deposition
- Creation of landforms
- Constructive / destructive forces
- Topographical maps
- Continental drift
- Layer of the Earth
- Earthquakes and volcanoes
- Plate tectonics
- Faulting and folding
- Human impact

Magnetism & Electricity

- Gravity, electricity, magnetism
- Potential energy (elastic, chemical)
- Force, magnitude, direction
- Net forces / unbalanced forces

ASSIGNMENTS/GRADING

Your grade will be based on the following: bellwork, labs, classwork, projects, tests and quizzes. Students will earn points for completing bellwork on unannounced dates, so it is important that they are consistently completed. Students will be expected to complete work at home, but it is often a continuation of classwork. Late work will be accepted within reason. Please see section titled “Late Work / Redo Policy.”

LATE WORK / REDO POLICY

Late work may be accepted within reason, however, if this happens repeatedly, points will be deducted. However, bellwork may not be turned in late because it is to be done as soon as you come into class. There will be opportunities for redos and retakes available for homework and quizzes but you must be responsible for initiating those opportunities. There are no retakes available for unit tests.

ABSENT POLICY

Whether you are absent for one day or an extended period of time, I ask that you please keep an open line of communication with me via email. Absent students must take responsibility for their work by checking Google Classroom and Agenda Slides for any assignments they may have missed while they were out. However, this does not apply to bellwork - in this case, you will be exempt from any absent work.

LAB
safety
EXPECTATIONS

Science is a hands-on class, so you will be doing lab activities. Safety in the science classroom is a priority for everyone. To ensure a safe classroom, a list of rules has been developed and provided for you in this student safety contract. These rules must be followed at all times. The contract must be signed by you before you may participate in the laboratory.

1. I will read all instructions/procedures for a given lab activity before it begins.
2. I will follow the teacher's written and verbal instructions carefully. If I am in doubt about any part of the experiment I will ask the teacher for assistance.
3. I will act in a mature manner and behave responsibly while doing lab activities.
4. I will wear goggles or other protective gear when the teacher tells me to do so.
5. I will only touch lab equipment, chemicals, or other materials in the lab only when told to do so.
6. I will refrain from eating or drinking in the science lab.
7. I will maintain a clean work area and keep aisles clear.
8. I will know the locations of safety equipment.
9. I will be alert and proceed with caution at all times in the lab. I will notify the teacher immediately of any unsafe conditions that I observe.
10. I will treat all chemicals as dangerous. I will not touch, taste, or smell them unless told to do so.
11. I will dispose of all waste materials as instructed by the teacher.
12. After a lab has been completed, I will clean my work area and return all equipment to its proper place.
13. I will refrain from removing lab materials from the classroom.
14. I will report any accident or injury to the teacher immediately.

Let's have a safe and enjoyable school year!

If I do not follow each and every item in this contract, I am aware that the teacher can and will:

- Give a verbal warning and keep record of unsafe interactions
- Insist that I pass a safety test before I can participate in another lab activity.
- Remove me from class which will result in a failure of the lab and parent contact.
- Discipline referral and administrative consequences.

SAFETY CONTRACT FOR SCIENCE CLASS: Ms. Busi

I have read and reviewed the "*Safety Contract for Science Class*" together. I understand the rules to be followed and the consequences for choosing not to follow them.

I agree to do my best to follow these safety rules at all times.

Student's Printed Name: _____

Student's Signature: _____ Date: _____

Parent's Signature: _____ Date: _____