



Mrs. McGuire

7th Grade Science

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Course Overview:

The goal of the intermediate program is to introduce students to a variety of science topics in Living, Physical & Earth Science, while helping students learn the skills used in science to solve real-world problems. Students will use scientific inquiry to develop explanations of natural phenomena. During the year, students will learn the intellectual skills and attitudes needed to successfully explore a variety of science related areas in future science courses.

Materials:

- Chromebook charged everyday
- Pens & Pencils
- Two pocket folder
- Stylus pen (recommended for use with Chromebook)
- Headphones (compatible with ChromeBook)

Grading Policy

Each quarter will consist of the following:

- **Assessments (Tests and Projects) 60%**- You will be asked to show your understanding of content rather than just memorization of facts. Additionally, you might be asked to use the material you have learned to complete several projects throughout the course.
- **Labs/Activities 30%**- In order to learn some of the skills that scientists use, we will be completing many different labs and activities. These might include some kind of written report, data sheet, and/or questions.
- **Homework 10%**- Homework will be one of two items: either a chance to complete what we were working on in class or to be introduced to content that we will work on the next day. We will be using our digital textbook, digital review book, etc. for homework.
 - Homework Complete= 5 out of 5
 - Incomplete Homework= 1 out of 5
 - Missing homework= M in the portal which is a 0

Any homework that is missing or incomplete during a unit of study must be made up prior to the unit test or quiz to get credit.

Google Classroom

All class assignments will be posted and submitted through Google Classroom. In addition, all class notes and review material will be posted on Google Classroom.

All assignments are due at the beginning of the class period on the due date and will be submitted through Google Classroom. Any work not submitted on time (even if you are absent) will be marked as "missing" in the grade portal that way you can see what you missed. Once the work is submitted, the "missing" grade in the portal will be updated to reflect the score you received on the assignment (minus points for being late if applicable).

Communication

Everyday you should check the class stream in Google Classroom. I will post important reminders for the entire class or sometimes directly write you a message. (Don't worry, if I write you a personal message on the "stream", no one else can see it.) Make sure you leave the "notifications" for Google Classroom on. Additionally, you should check your district-issued email account on a regular basis.

Once you submit an assignment that is given digitally through Google Classroom, you should check back for a grade and teacher feedback. Comments written on your docs, slides, etc. by your teacher are to help you understand content better or to see where you might have made a mistake. **Reading this feedback is probably the most important thing you can do in this class**

Digital Tools

We will use a variety of digital tools in this class which may include Google Suite, Gizmos, Kami, Nearpod, EdPuzzle, and our e-text and interactive tools.

Late Policy

Unless you have a valid reason, assignments need to be submitted on time and **will lose 10%**. Work submitted after it has been handed back **will lose 30%**. If a student is absent from school, s/he should meet with me upon returning to make a plan to make up any missing assignments.

Being absent is not an excuse for not making up an assignment or a homework!

Extra Help

If you do not understand some material or have been absent, please come for extra help. Extra help will be available during period 5 lunch. You must sign-up for extra help in advance so the teacher knows you plan to attend.

Science 7 Unit Outline

Ecosystems:

- Ecosystems,
- Food chains, and food webs
- Resources and limiting factors
- Global Ecosystem and Temperature Change

Chemical Reactions in Living Things:

- Conservation of matter
- Photosynthesis and respiration

Chemical Properties and Reactions:

- Matter
- Chemical reactions
- Chemical and physical properties

Forces and Motion:

- Motion
- Balanced and unbalanced forces
- Newton's three laws of motion
- Simple machines

Electric and Magnetic Forces:

- Magnetism
- Electricity

Gravity and the Solar System:

- Parts of a solar system,
- Scale and proportion of the solar system
- Galaxies and forces within a galaxy

The Earth-Moon-Sun System:

- Seasons
- Rotation and revolution,
- Moon phases
- Eclipses

Weather and Climate:

- Climate
- Global winds
- Weather