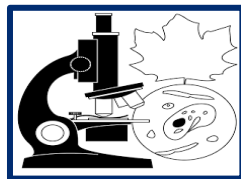


Textbook

Discovery Education Science uses an inquiry-based format. Through digital explorations, an interactive glossary and data analysis activities, students learn to read, write and think like a scientists.

High School Integrated Science



Contact me: Mrs. Massey
tmassey@lcps.k12.nm.us or 527-9475
Class website: ziascience.weebly.com

This course is an introduction to Earth and Space Science integrated with physics and chemistry concepts. Throughout the course, scientific and engineering practices will be emphasized. Career information and current research in science, particularly in New Mexico, will be discussed. This course is based on existing NMS Standards & Integrated NGSS science & engineering practices. This course satisfies the laboratory science requirement for high school graduation.

COURSE OVERVIEW

1 st 9 weeks	2 nd 9 weeks	3 rd 9 weeks	4 th 9 weeks
<ul style="list-style-type: none">Nature of ScienceEnergy	<ul style="list-style-type: none">The Big BangStarsSolar System	<ul style="list-style-type: none">Earth	<ul style="list-style-type: none">Force and MotionHuman Impact

Science Classroom Expectations

- 1.) Be Respectful
 - Respect yourself
 - Respect others (including ideas and belongings)
 - Respect our school equipment
- 2.) Be Responsible
 - Complete assignments and homework
 - Take care of books and materials
 - Be a contributing group member
- 3.) Be Ready to Learn
 - Bring books, needed supplies, and homework
 - Be in your seat, ready to work when the bell rings
 - Listen, participate, and do your best work
- 4.) Be safe
 - Follow lab instructions
 - Use equipment carefully
 - Clean up and return all materials and equipment
 - No **food** or **drink** (besides water) allowed in class at any time

Grading Scale

Homework- 20%
Classwork - 20%
Labs - 25%
Tests - 15%
Quizzes - 10%
Participation – 10%
Due to time constraints, we were not able to have more than one-unit test at the end of the nine weeks. 30% is too much weight on one test grade; therefore, I am revising the grading scale to fit the needs of this class. Please expect more information to explain how this will affect your child's 1st 9 week grades.

Class Unit/Instructional Model

Learning progression through each unit of instruction will follow the 5E Model:

- **Engage** – learners activate prior knowledge and become ready to connect old and new learning. (i.e. Images, animations/simulation, demonstrations, short video segment)
- **Explore**- learners create common experiences, build common understanding and develop essential skills. (i.e., DE explorations, virtual labs, hands on labs, developing models, inquiry based activities)
- **Explain** – learners gain formal terms and definitions, and put the concepts into their own words. (i.e., video segments, reading passages, notes, journals, writing prompts)
- **Elaborate** – learners create, analyze and apply content to real world situations.(i.e. virtual/hands on labs, simulations, creative projects, lab reports, etc.)
- **Evaluate** – determine if learning objectives have been met and misconceptions have been avoided.

My goal for this class is to prepare students for High School Biology through content that is aligned with the district curriculum and develop conceptual understanding rather than just learning topics.

My goal for this class is to prepare students for High School Biology through content that is aligned with the district curriculum and develop conceptual understanding rather than just learning topics.