



PLTW
Energy and the Environment
Marna Gonzalez
Adobe Middle School
2019-2020

Welcome to Project Lead The Way!

In Energy and the Environment (EE) you are going to be challenged to think big and toward the future as you explore sustainable solutions to our energy needs and investigate the impact of energy on our lives and the world. Throughout the course we will design and model alternative energy sources and evaluate options for reducing energy consumption.

Course Overview:

Lesson	Summary
1. What is Engineering?	In this unit, we will explore what technology, engineering, and STEM are and how they will be helpful tools in this course
2. Design Process	In this unit, we will investigate the design process and how this important problem-solving tool allows us to come up with appropriate solutions to a single problem.
3. Investigating Energy	The development of alternative energy systems is a recent innovation where energy is generated from inexhaustible energy sources like wind, solar, geothermal, and hydropower, and renewable energy sources like biomass. In this unit, students will explore the challenge we face to economically harness, store, and deliver these sources of energy.
4. Sustainable Energy	While meeting the increasing demand for energy, we also need to consider minimizing the environmental impact. In this unit, students will present an alternative solution for a global energy problem.
5. Making an Impact	Saving energy will cut down on pollution and help our fossil fuels last longer, hopefully until renewable energy sources become more practical. Students can actively participate in energy conservation through a variety of measures. In this unit students will learn to realize that individually they can impact energy usage trends.

Course Information:

1. Grades

- a. We will use a standard grading system. The breakdown is as follows:

100%-90%	A
89%-80%	B
79%-70%	C
69%-60%	D
59% or lower	F

b. Categories

- i. **Formative Assessment- 30%**
 1. Class Participation
 2. Activities
 3. Class Homework
 - ii. **Summative Assessment- 70%**
 1. Test -Students will NOT be able to retake tests
 2. Quizzes- Students will NOT be able to retake quizzes
 3. Project
 - iii. **Final Project**
 1. Will result in 20% of Final Grade.
2. **Homework**
 - a. Anything considered “homework” in this class will be an assignment that wasn’t completed during class. There will be ample time to complete assignments in class. Therefore, late work will not be accepted. Due dates will be posted on Google Classroom.
3. **Extra Help**
 - a. If help is needed, please make arrangements with me to be completed before or after school.
 - b. For help during advisory, make arrangements with your advisory teacher and myself.
4. **Contact Information**
 - a. Email: mgonzalez2@ecsdnv.net
 - b. School phone number: (775)738-3375

Please don’t hesitate to call or email me with any questions or concerns you have! The easiest way to reach me is by email.

Classroom Expectations

Be Respectful

- Be on time to all classes: *If you are not sitting in your assigned seat when the tardy bell rings, you will be marked tardy.*
- Be verbally respectful and considerate to all classmates and the teacher

Be Responsible

- Use time wisely
- Put forth best effort
- Complete all homework

Be Ready To Learn

Required materials-

- **Composition notebook** (exclusively for this class)
- **Pen and pencil**
- **Headphones**

By signing your name below, you understand that you will be held to all responsibilities, policies, and rules listed in the syllabus.

Print name _____ Sign Name _____

****This is syllabus is not a contract between teacher, student, and parent/guardian. At her discretion, the teacher reserves the right to make any changes needed in order to maximize student learning.****