



MAYWOOD MIDDLE SCHOOL

Science Path II

SCIENCE PATHWAY OPTIONS

Traditional (Pathway I)

- 6th Life Science
- 7th Earth & Space
- 8th Physical

Pathway II

- 6th Earth & Space
- 7th Physical
- 8th Biology (High School Course)



EARTH AND SPACE SCIENCE

Overview

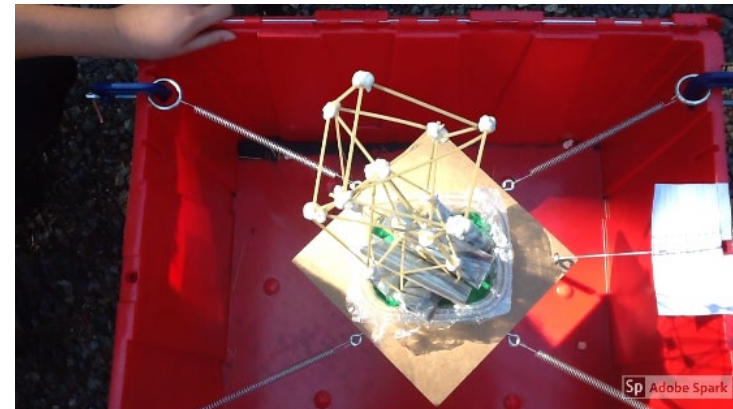
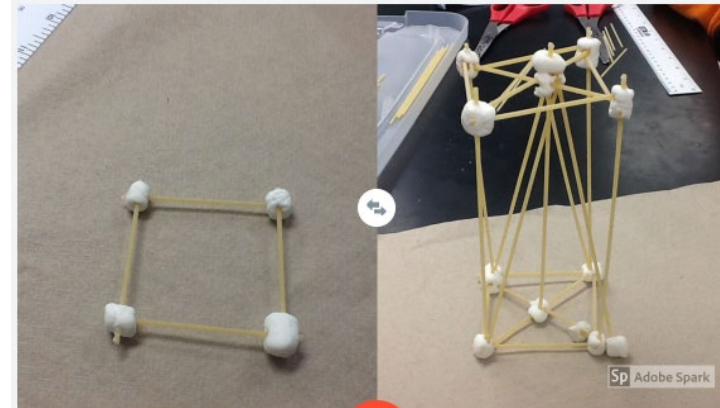
Earth's Dynamic Systems

Weather and Climate Systems

Spac Systems Exploration

EARTH'S DYNAMIC SYSTEMS

- **Earthquakes**
 - Seismic waves
- **Energy Transfer**
- **Convection**
- **Geological Time**
- **Volcanoes**



Engineering:

Identify Problem

Design

Build

Test

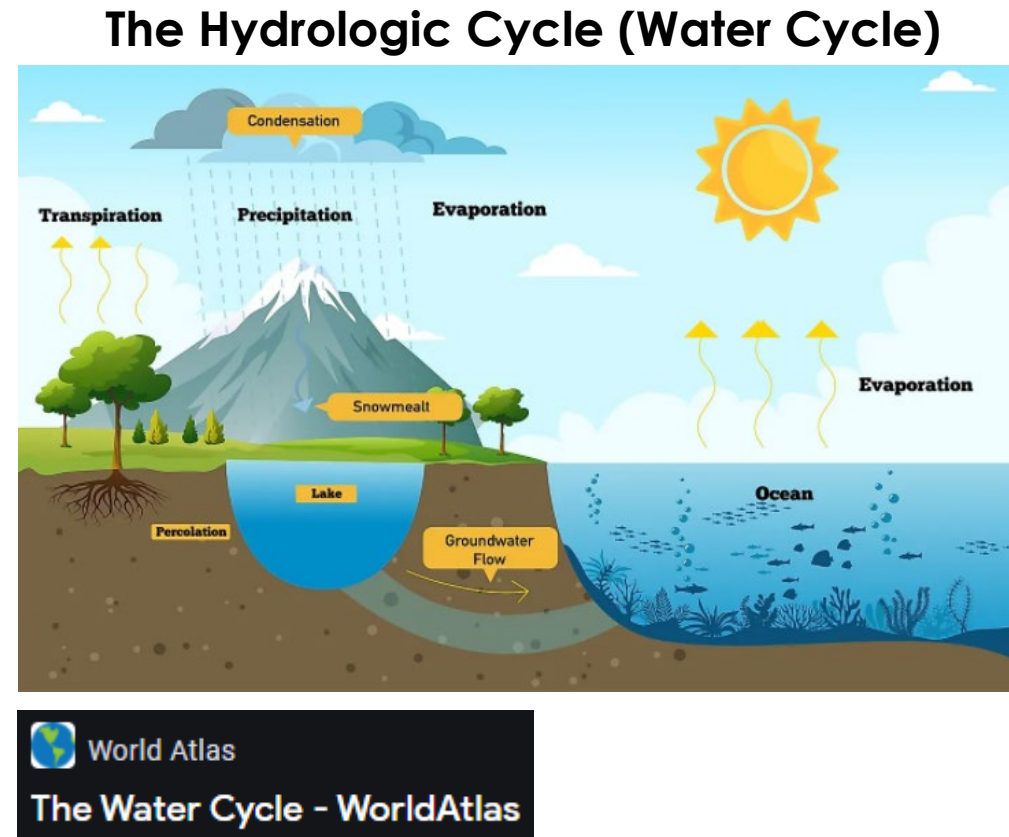
Redesign

Test

Criteria &
Constraints

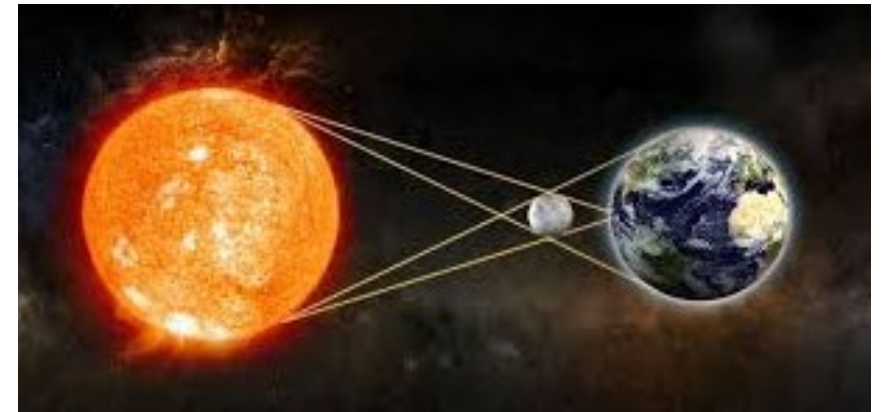
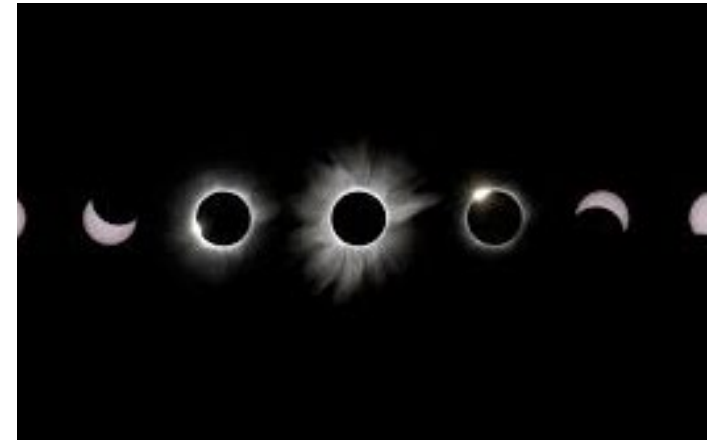
WEATHER AND CLIMATE SYSTEMS

- Energy Transfer
- Climate Change
- Instruments
- Prediction
- Storms



EXPLORATION OF SPACE SYSTEMS

- **Energy Transfer**
- **Gravity**
- **Lunar & Solar Eclipses**
- **Planets & their Satellites**
- **Sun, Earth, Moon System**



Expectations for this class:



Informational reading, Writing & Math – all are used regularly.



Applying knowledge to new scenarios – drawing conclusions based on lab activities.



Critical thinking

Relate learning to the world around ourselves

Relate learning to personal experiences



Use computer skills on a daily basis



Homework – 2x approx. 15 min.

STUDENT & PARENT CONSIDERATIONS BEFORE ENROLLING IN SCIENCE PATHWAY II

- **Math** – Complete Algebra 1 before Chemistry
 - Liberty has non-Algebra lab Science options
- **Reading** –Avid reader, strong comprehension
 - In 8th grade the textbook is 10th grader reading level
- **Personal Schedule** – good study habits, regular homework
- **Critical Thinking** – applying knowledge