

**2019-2020 Curriculum Map for  
Natural Disasters Course  
Liberty Common High School**

**Meteorological Events Unit ( January to mid-February)**

1. Atmospheric Structure – Ozone Depletion
2. Energy Transfer in the atmosphere
3. Wind systems – global and local
4. Atmospheric pressure
5. Water in the atmosphere
6. Cloud/fog formation and types
7. Precipitation formation and types
8. High and low pressure systems
9. Frontal systems
10. Thunderstorm formation
  - a. Flash Floods
  - b. Lightning
  - c. Hail
  - d. Tornadoes
  - e. Microburst
11. Storm systems
  - a. Hurricanes
  - b. Snow storms
  - c. Floods
12. Climatology
  - a. Drought
  - b. Global warming - Is it happening?

**Geological Events Unit (Feb -Apr)**

1. Continental Drift Theory
2. Plate tectonics and seafloor spreading
3. Plate boundaries
4. Earthquakes
  - a. Seismic wave speeds
  - b. Finding the epicenter
  - c. Tsunamis
5. Volcanoes
  - a. Types
  - b. Mt St Helens
6. Land/rock/mud slides

**Astronomical Events Unit (Apr-May)**

1. Solar system
  - a. Formation
  - b. Planets, asteroids, comets, etc.
  - c. Earth impacts
2. Star life cycle
  - a. Our sun
  - b. Supernovas
  - c. Black holes, neutron stars