

***Academic Language***

Radiation

Absorption

Reflection

Atmosphere

Insolation

Conduction

Convection

Water Cycle

Air masses

Humidity

Fronts

Coriolis effect

Hurricanes

Tornadoes

Lightning

Thunderstorms

Cyclones

Anti-cyclones

Heat budget

***Unit 5: Weather***

***Learning Targets***

* Explain how the sun’s energy arrives to and is absorbed or reflected by the Earth’s surface, bodies of water, and atmosphere.
* Differentiate between conduction and convection in terms of how Earth’s systems are heated
* Explain how unequal heating creates air convection currents within the atmosphere
* Describe air masses and their properties.
* Describe the various types of fronts created by the collision of different air masses.
* Explain how weather is created by the interaction of air masses along fronts
* Predict future weather conditions based on present weather observations and models.
* Describe the limitations and uncertainties of weather predictions.
* Relate the formation of severe weather to specific physical factors.
* Describe the life cycle of a thunderstorm.
* Describe the stages in the development of a hurricane.