**Subunit Intended Learning Outcomes**

**Subunit One: Weather Phenomena**

* Students will learn to describe interactions of matter and energy throughout the lithosphere, hydrosphere and atmosphere. **(Bloom’s comprehension)**
* Students will be able to describe the connection between the water cycle and weather-related phenomena (ex. tornadoes, floods, droughts and hurricanes). **(Bloom’s comprehension)**
* Students will be able to place the different types of weather phenomena on a map of the water cycle in the correct locations. **(Bloom’s application)**

**Subunit Two: Clouds and Your Weather**

* Students will learn to describe interactions of matter and energy throughout the lithosphere, hydrosphere and atmosphere (specifically cloud formation). **(Bloom’s comprehension)**
* Students will understand how to make simple weather predictions based on the changing cloud types associated with frontal systems. (**Bloom’s application)**
* Students will be able to analyze and interpret data from scientific investigations using appropriate mathematical skills in order to draw valid conclusions. **(Bloom’s analysis)**
* Students will learn to analyze alternative scientific explanations and predictions, and recognize that there may be more than one good way to interpret a given set of data. (**Bloom’s analysis)**

**Subunit Three: Weather Forecasting**

* Students will understand how weather observations and measurements are combined to produce weather maps. (**Bloom’s comprehension)**
* Students will learn how to choose the appropriate tools and use safety procedures to complete investigations. (**Bloom’s synthesis)**
* Students will learn to combine atmospheric conditions and measurements into proper weather map, and then predict the weather based upon these measurements. (**Bloom’s synthesis)**