**Course Outline**

**Science 6**

**Course Overview**

Learning about Science helps students to understand and interpret the world around them. Students are encouraged to ask questions, explore materials and collect data to find answers based on their observations.

**Course Objectives**

Recognize the importance of accuracy in observation and measurement, i.e. record, interpret and evaluate observations and measurements.

Design and carry out an investigation of a practical problem and develop a solution.

**Course Topics**

***Trees and Forests***

Students will describe the characteristics of trees and the interaction of trees with other

living things in the local environment.

***Sky Science***

Students will observe, describe and interpret the movement of objects in the sky; and identify patterns and order these movements.

***Air and Aerodynamics***

Students will describe the properties of air and the interactions of air with objects in

flight.

***Evidence and Investigation***

Students will apply observation and inference skills to recognize and interpret patterns and to distinguish a specific pattern from a group of similar patterns. They will also apply knowledge of the properties and interaction of materials to the investigations and identification of material sample.

***Flight***

Students will construct devices that move through the air, and identify adaptations for controlling flight.

**Materials:**

Videos, Trade books, posters

Equipment and Supplies

**Evaluation:**

16% ….. Trees and Forests

16% ….. Sky Science

16% ….. Air and Aerodynamics

16% …... Flight

16%...... Evidence and Investigation

20% ….. PAT

All marks will be cumulative

**For more information about the Grade 6 Science Curriculum, you can go online at:**

[**http://www.education.alberta.ca/media/445763/pub5.pdf**](http://www.education.alberta.ca/media/445763/pub5.pdf)