



This scope and sequence has been created to ensure alignment between Hub Learning and in-class programming, and smooth transitions following potential staff/student absence. It is intended to support teachers and teams in engaging in collaborative planning for instruction.

Each reporting period has been divided into two segments, defining four quarters across the school year. Each quarter lists the outcomes to be addressed in that approximate time period. Outcomes within a quarter are identified for concentrated teaching and learning, though it is acknowledged that providing opportunities for students to make connections across topics and engage in explorations that span the school year for scientific phenomena that change over time allow students to deepen their understanding. Although there is a suggested order shown within each quarter, teachers will design teaching and learning according to their context. Please note that this resource identifies only the bolded specific outcomes and must be used in conjunction with the questions and issues identified within the [Program of Studies](#).

First Reporting Period		Second Reporting Period	
5–4 Demonstrate positive attitudes for the study of science and for the application of science in responsible ways.			
Topic E: Trees and Forests 6–1 Design and carry out an investigation in which variables are identified and controlled, and that provides a fair test of the question being investigated. 6–2 Recognize the importance of accuracy in observation and measurement; and apply suitable methods to record, compile, interpret and evaluate observations and measurements. 6–10 Describe characteristics of trees and the interaction of trees with other living things in the local environment.	Topic C: Sky Science 6–1 Design and carry out an investigation in which variables are identified and controlled, and that provides a fair test of the question being investigated. 6–2 Recognize the importance of accuracy in observation and measurement; and apply suitable methods to record, compile, interpret and evaluate observations and measurements. 6–7 Observe, describe and interpret the movement of objects in the sky; and identify pattern and order in these movements.	Topic A: Air and Aerodynamics 6–1 Design and carry out an investigation in which variables are identified and controlled, and that provides a fair test of the question being investigated. 6–2 Recognize the importance of accuracy in observation and measurement; and apply suitable methods to record, compile, interpret and evaluate observations and measurements. 6–5 Describe properties of air and the interactions of air with objects in flight. Topic B: Flight 6–3 Design and carry out an investigation of a practical problem, and develop a possible solution. 6–6 Construct devices that move through air, and identify adaptations for controlling flight.	Topic D: Evidence and Investigation 6–1 Design and carry out an investigation in which variables are identified and controlled, and that provides a fair test of the question being investigated. 6–2 Recognize the importance of accuracy in observation and measurement; and apply suitable methods to record, compile, interpret and evaluate observations and measurements. 6–8 Apply observation and inference skills to recognize and interpret patterns and to distinguish a specific pattern from a group of similar patterns. 6–9 Apply knowledge of the properties and interactions of materials to the investigation and identification of a material sample.