Grade 2 Science | CBE Scope and Sequence September 2020 – June 2021

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	
2–4 Demonstrate positive attitudes for the study of science and for the application of science in responsible ways.			
Topic E: Small Crawling and Flying Animals 2–1 Investigate, with guidance, the nature of things, demonstrating an understanding of the procedures followed. 2–2 Recognize pattern and order in objects and events studied; and, with guidance, record procedures and observations, using pictures and words; and make predictions and generalizations, based on observations. 2–10 Describe the general structure and life habits of small crawling and flying animals; e.g., insects, spiders, worms, slugs; and apply this knowledge to interpret local species that have been observed.	**Topic C: Magnetism** 2–1 Investigate, with guidance, the nature of things, demonstrating an understanding of the procedures followed. 2–2 Recognize pattern and order in objects and events studied; and, with guidance, record procedures and observations, using pictures and words; and make predictions and generalizations, based on observations. 2–8 Describe the interaction of magnets with other magnets and with common materials.	**Topic A: Exploring Liquids** 2–1 Investigate, with guidance, the nature of things, demonstrating an understanding of the procedures followed. 2–2 Recognize pattern and order in objects and events studied; and, with guidance, record procedures and observations, using pictures and words; and make predictions and generalizations, based on observations. 2–5 Describe some properties of water and other liquids, and recognize the importance of water to living and nonliving things. 2–6 Describe the interaction of water with different materials, and apply that knowledge to practical problems of drying, liquid absorption and liquid containment. **Topic B: Buoyancy and Boats** 2–3 Construct, with guidance, an object that achieves a given purpose, using materials that are provided. 2–7 Construct objects that will float on and move through water, and evaluate various designs for watercraft.	**Topic D: Hot and Cold Temperatures** 2–1 Investigate, with guidance, the nature of things, demonstrating an understanding of the procedures followed. 2–2 Recognize pattern and order in objects and events studied; and, with guidance, record procedures and observations, using pictures and words; and make predictions and generalizations, based on observations. 2–9 Recognize the effects of heating and cooling, and identify methods for heating and cooling.