

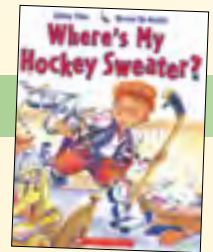
Welcome to the *Relative Position and Motion* Unit

In this unit, students develop their understanding of the ways objects and living things move, and how forces affect movement. Students will also learn how to describe the motion of an object in terms of a change in position relative to other objects, and the position of an object relative to other positions or stationary objects. Multiple components will engage students and support learning of the specific science concepts.

Science Cards

This collection of 12 Science Cards will support students' exploration of relative position and motion with each large-format card focusing on a different concept. The bright, colourful photographs and detailed illustrations will engage students and give them multiple opportunities to explore a variety of concepts. These stand-alone cards can also be used at centres to stimulate student explorations. Also, digital versions of these cards are available on the Teacher's Website to be used with an Interactive Whiteboard.





Science Read Alouds

Two Read Aloud texts allow you to introduce and engage students with science concepts. *Ready, Set, Go!* by Robert Munsch tells the humorous story of Miranda who is trying to find her father to give him a bottle of water as he runs in his very first big race. The engaging illustrations show the motion of Miranda in terms of her changing position in relation to the other racers.

Where's My Hockey Sweater? by Gilles Tibo presents Nicholas who, before the first hockey practice of the season, must find all of his equipment—and find it fast! The text and illustrations showing Nicholas' search highlight the position of objects relative to other positions or stationary objects.

Anchor Video

The Anchor Video: *Relative Position and Motion*, found on the Teacher's Website, introduces students to essential questions about the position and changes in position of objects; patterns of movement; factors that can affect movement; and the forces of push, pull, and friction. The video gives a number of examples to activate students' thinking and to promote questions.

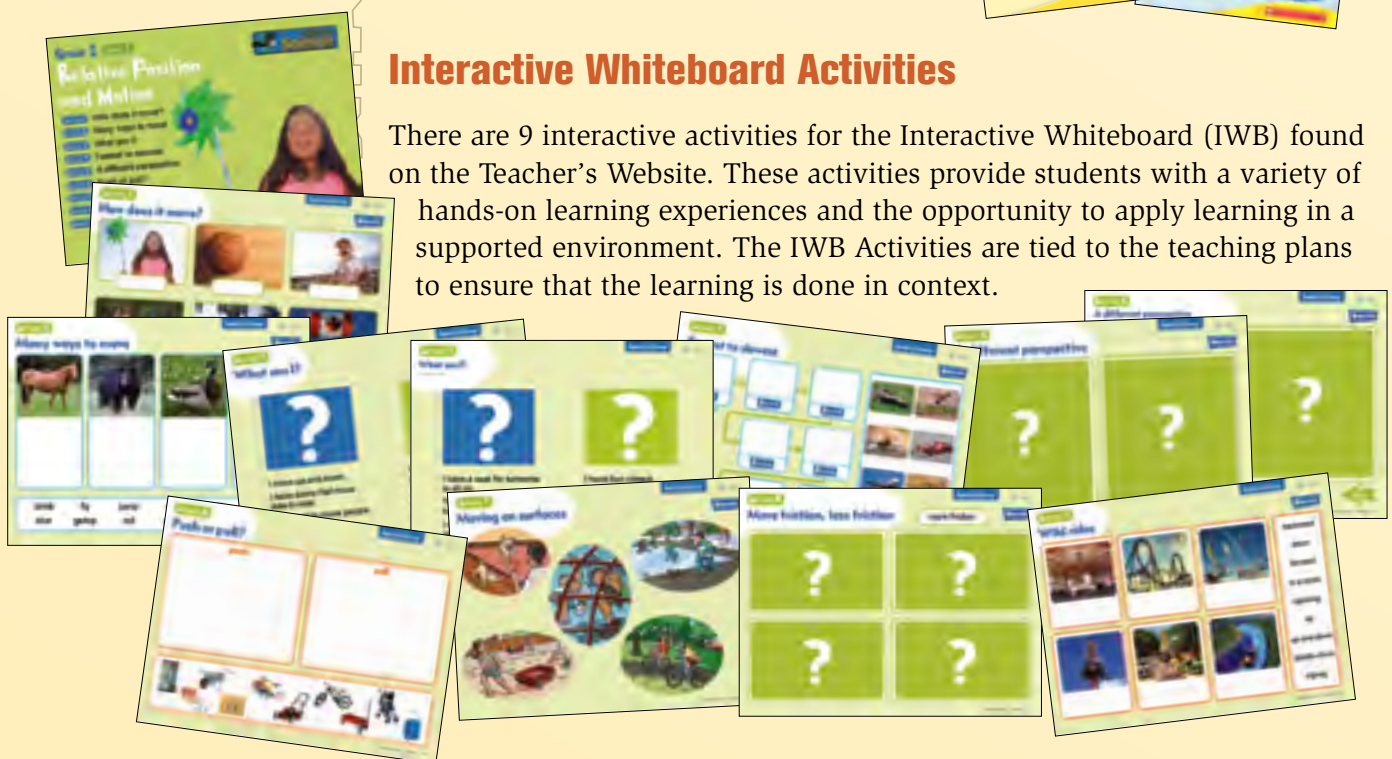
Posters

Two classroom posters—*What Is the Inquiry Process?* and *What Is the Design Process?*—will support students as they follow the steps for guided and open inquiries and learn to use the design process to create a solution to a problem.



Interactive Whiteboard Activities

There are 9 interactive activities for the Interactive Whiteboard (IWB) found on the Teacher's Website. These activities provide students with a variety of hands-on learning experiences and the opportunity to apply learning in a supported environment. The IWB Activities are tied to the teaching plans to ensure that the learning is done in context.





Science Library

The Science Library provides a collection of colourful and engaging non-fiction and fiction texts at a variety of reading levels. These texts support students as they explore various science concepts and skills. See the *Science Library Guide* in the Teacher's Guide Binder or online for brief summaries, science connections, and suggested reading experiences (e.g., Independent Reading and Read Aloud).

Teacher's Guide

This guide provides detailed suggestions for using all of the components including the Science Cards, Anchor Video, reproducible Blackline Masters (BLMs), and IWB Activities with your students. Visual cues such as book covers, thumbnail images, and icons highlight the use of each component along with tools such as Science Folders and Journals, the Word Wall, and I Wonder Wall. Strategies and tools you need to assess students' learning, such as rubrics and checklists, are also included.



Embedded within the teaching plans are connections to Guided, Shared, and Wordless texts along with Conversation Cards from *Literacy Place for the Early Years*, Grade 2 that relate to the concepts explored in *Relative Position and Motion*.

Teacher's Website



In addition to the Science Cards, Anchor Video, and IWB Activities mentioned above, this website provides a digital copy of the Teacher's Guide for this unit along with access to an image bank containing the variety of photographic images found on the Science Cards and IWB Activities. These images may be used for teachers to create new IWB Activities or for students to incorporate into presentations.

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