

Welcome to the *Needs and Characteristics of Living Things* Unit

In this unit, students develop their understanding of the needs and characteristics of living things through a variety of explorations and investigations. Multiple resource components will engage students and support learning of the specific science concepts.

Science Cards

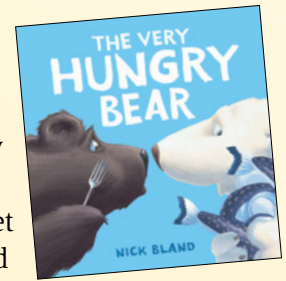
This collection of 10 Science Cards will support students' exploration of the needs and characteristics of living things with each large-format card focusing on a different concept. The bright, colourful photographs and detailed illustrations will engage students and give them multiple opportunities 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. *Ordinary Amos and the Amazing Fish* by Eugenie Fernandes and Henry Fernandes introduces the concept of specific needs by examining what happens when a human is kept as a pet by a family of fish. *The Very Hungry Bear* by Nick Bland introduces the concept of living things depending on their environment to fulfill their needs by sharing the story of a brown bear who tries to help out a polar bear in need of a home.



Anchor Video

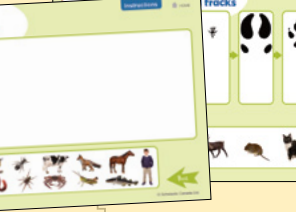
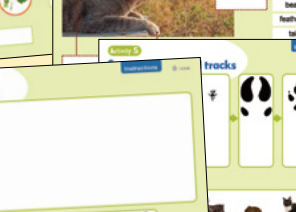
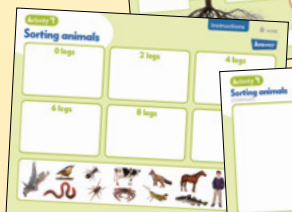
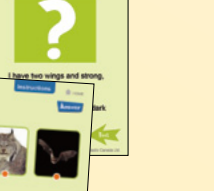
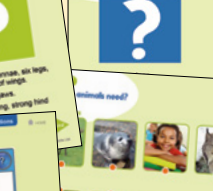
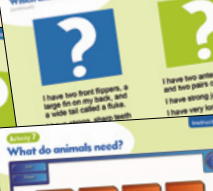
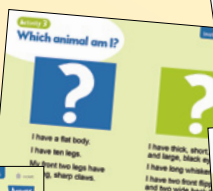
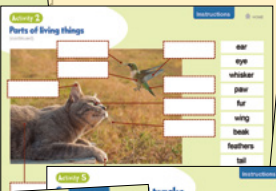
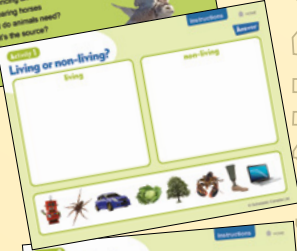
The Anchor Video: *Needs and Characteristics of Living Things*, found on the Teacher's Website, introduces students to essential questions about how living things have different physical characteristics but how all living things need food, water, and shelter to survive. The video gives a number of examples to activate students' thinking and to promote questions.

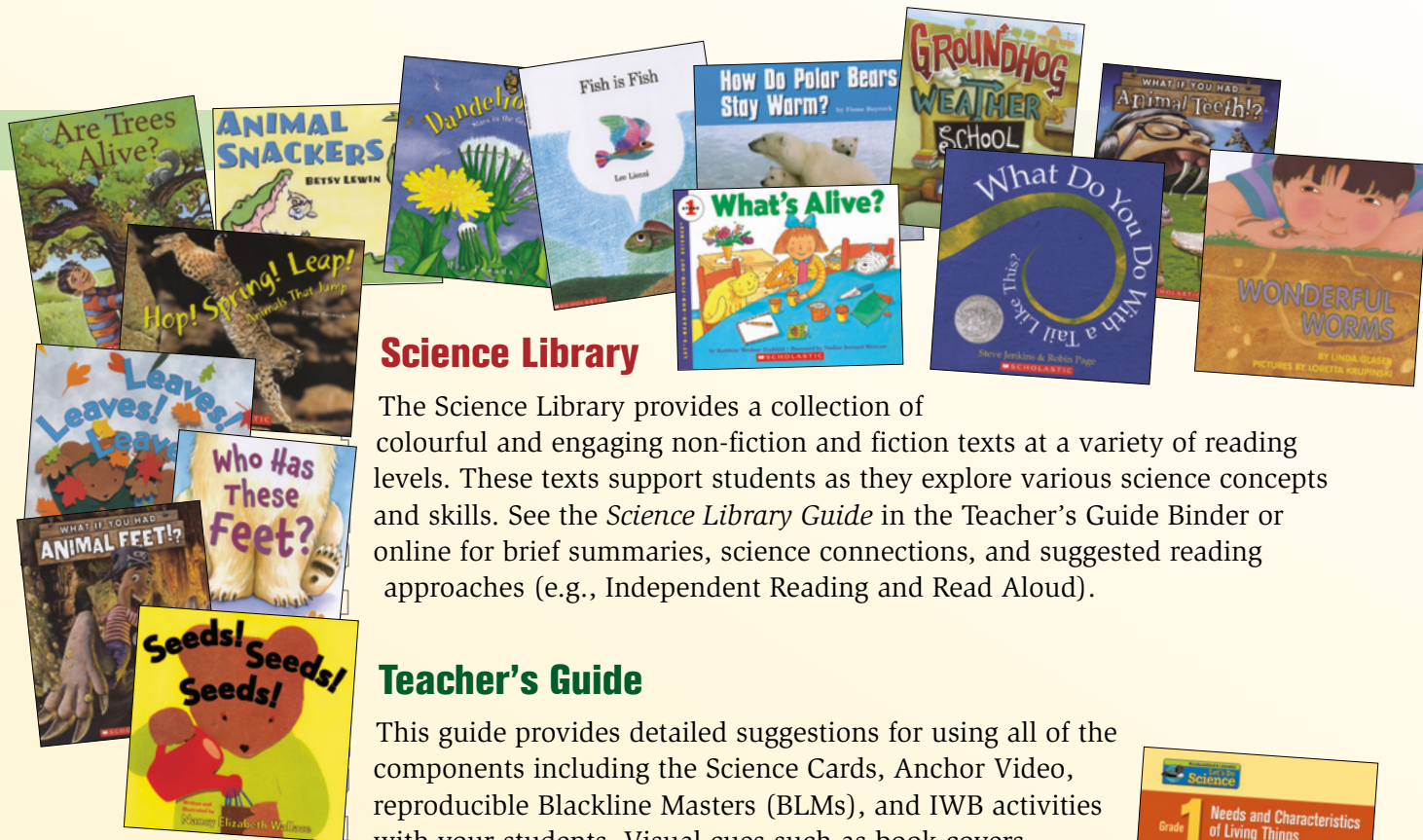
Posters

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.





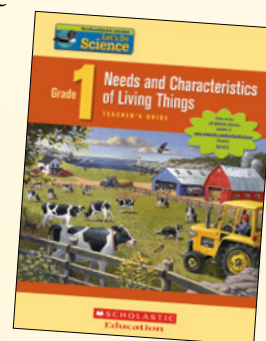
Science Library

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 approaches (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 the 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 Read Aloud texts from *Literacy Place for the Early Years*, Grade 1 that relate to the concepts explored in *Needs and Characteristics of Living Things*.



Teacher's Website

In addition to the Science Cards, Anchor Video, and IWB Activities mentioned above, the Teacher's 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. Find the Teacher's Website at scholastic.ca/education/nlscience
Password: Sci1nL2

