

Welcome to the *Animal Growth and Changes* Unit

In this unit, students develop their understanding of the life cycles of various animals, including mammals, birds, fish, amphibians, reptiles, and insects, through a variety of explorations and investigations. 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 animal growth and changes 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. *Alligator Baby* by Robert Munsch tells the humorous story of Kristen who must find the “people baby” that is her new baby brother after her parents repeatedly bring the wrong infant home from the zoo. The comical illustrations allow students to compare the appearance and actions of the babies to those of their parents and help students to consider some of the changes that an animal experiences during its life cycle.

Our Love Grows by Anna Pignataro is the gentle story of Pip, who wonders when he will grow big, and his Mama who points out all of ways he has already grown since he was born. The text and illustrations demonstrate some of the ways humans change as they grow and develop.



Anchor Video

The Anchor Video: *Animal Growth and Changes*, found on the Teacher’s Website, introduces students to essential questions about how animals, including humans, grow and change. The video gives a number of examples to activate students’ thinking and to promote questions.

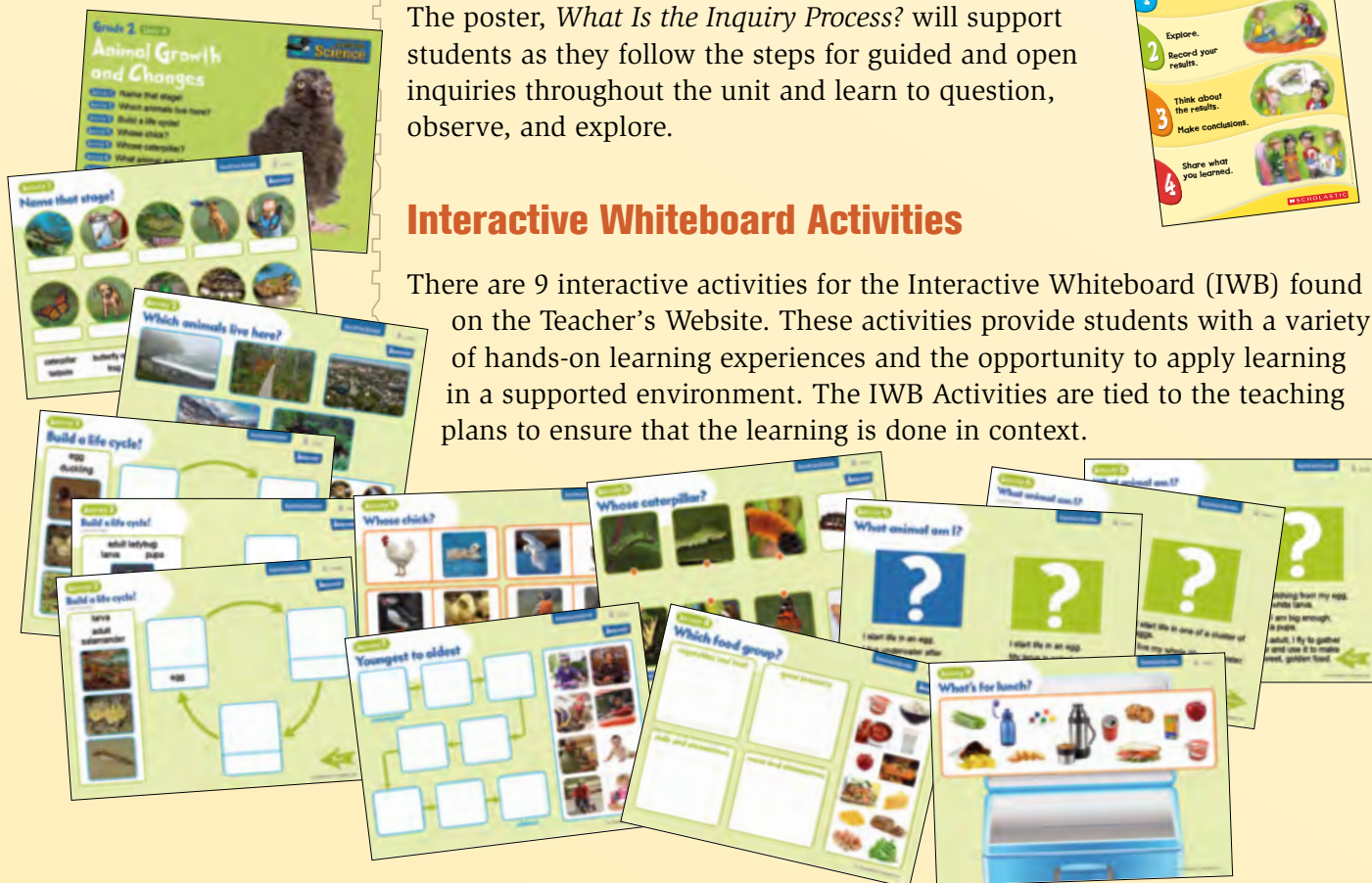
Poster

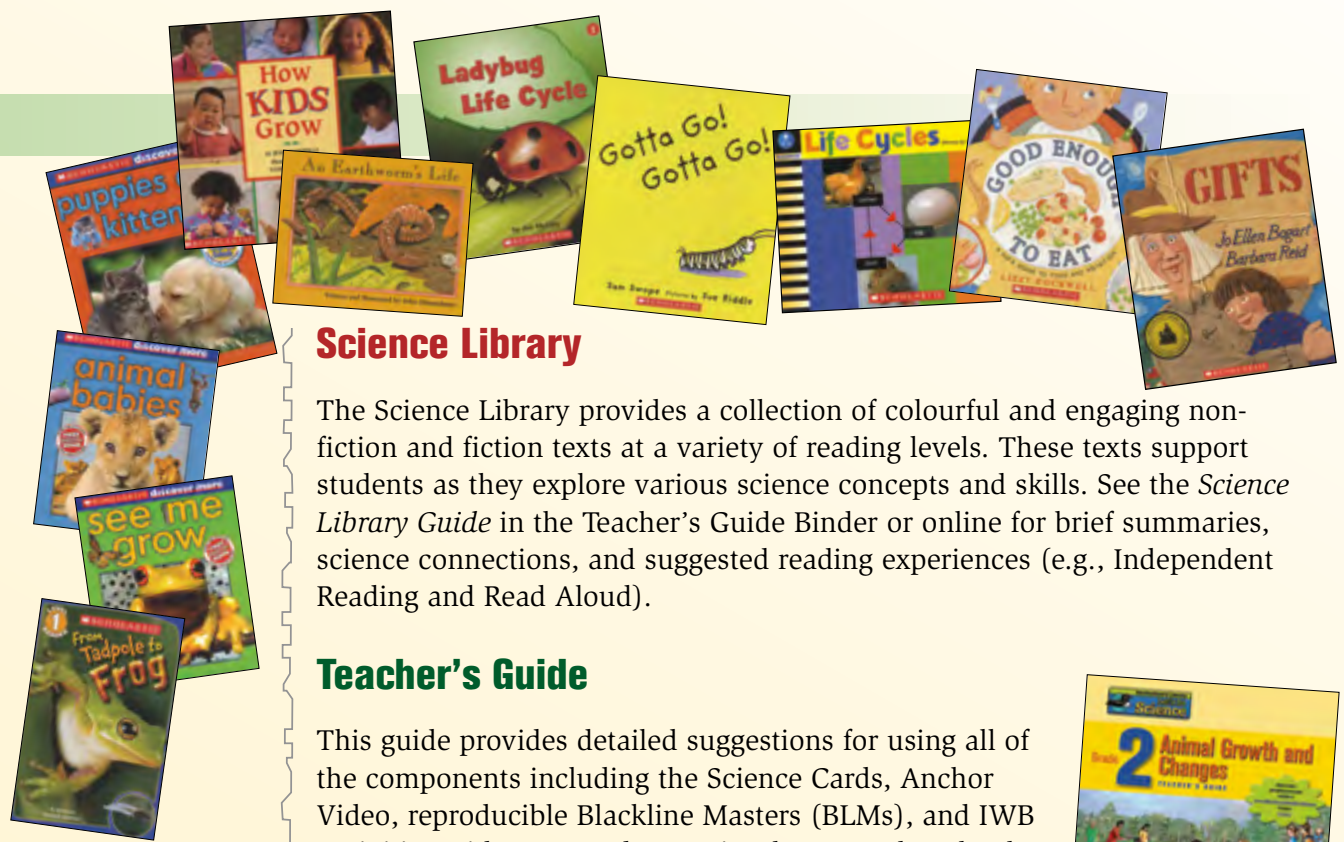
The poster, *What Is the Inquiry Process?* will support students as they follow the steps for guided and open inquiries throughout the unit and learn to question, observe, and explore.



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.





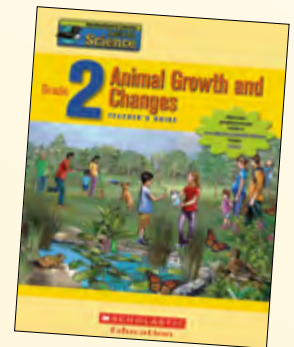
Science Library

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 and Read Aloud texts, and one Conversation Card from *Literacy Place for the Early Years*, Grade 2 that relate to the concepts explored in *Animal Growth and Changes*.



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.

www.scholastic.ca/education/nlscience

Password: Sci1nL2