

2011  
Saskatchewan  
Core Learning Resources

# Science

# 2





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**Science:**

**Core Learning Resources 2**

**Prepared by:**

**Curriculum and E-Learning Branch**

**Ministry of Education**

**2011**

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Science: core learning resources 2

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## Foreword

This list of learning resources identifies high-quality resources that have been recommended by the Ministry of Education to support the curriculum, *Science 2*. This list will be updated as new resources are recommended and older ones are no longer available. A list of additional learning resources can be found on the Ministry of Education website.

(CAN) indicates that a Canadian contributed to the development of the resource and/or that it includes Canadian content. (SK) indicates that a Saskatchewan person contributed to the development of the resource and/or that it includes Saskatchewan content. (FNMI) indicates that a First Nations, Métis, or Inuit person contributed to the development of the resource and/or that it includes First Nations, Métis, or Inuit content.

Other resources beyond those recommended in this list may effectively support the curriculum, *Science 2*. It remains the responsibility of educators to preview and select materials that best meet the needs of their students, school, and community. Educators should choose these materials in accordance with the school division's learning resources selection policy.

Pricing of the learning resources included in this document is subject to change without notice.

Supplies are an essential component of an effective science program, leading to the development of deeper understanding of scientific concepts through hands-on inquiry. Some supplies may be collected; others may be constructed; and many may be purchased. School divisions may wish to purchase and assemble kits to support units of study that can be shared among schools. Schools may wish to purchase general supplies that should be available in every school.

The Ministry of Education expresses its appreciation to publishers, producers, and distributors who have provided learning resources for evaluation, and gratefully acknowledges the contributions made by educators who served as evaluators.



## Print and Other Resources



### Addison Wesley Science & Technology 2

**Authors:** Harcourt, Lalie and Wortzman, Ricki

#### Annotation

**(CORE, CAN)** This science resource includes information, activities, and teacher support material that address all four units of Saskatchewan's Grade 2 science curriculum. The teacher's guide consists of a binder with separate modules for each topic. Each module includes a brief section of background information for the teacher, as well as learning expectations, materials, possible connections to other subject areas, and extension and assessment ideas.

The student books each contain numerous illustrations, a table of contents, a glossary, a review section, and an index.

Note: Teachers who use this resource are encouraged to select material that directly relates to Saskatchewan's science curriculum outcomes. Additional resources will be needed to further address the outcomes.

K	1	2	3	4	5	6	7	8	9	10	11	12
		√										

#### Suggested Uses

Air and Water in the Environment  
 Animal Growth and Changes  
 Liquids and Solids  
 Motion and Relative Position

#### Publisher

Addison-Wesley Longman, Inc.

#### Distributor

Pearson Education Canada  
 School Division  
 195 Harry Walker Pkwy  
 NEWMARKET ON L3Y 7B4  
 (800) 361-6128  
 (905) 853-7888  
 Fax: (800) 563-9196  
 Email: school\_inquiries@pearsoned.com  
 Website: www.pearsonschoolcanada.ca/

**Copyright:** 2003

**Year Recommended:** 2011

Title	ISBN	Price
Student Book 5-pack (1 copy of each of the 5 student books)	978-0-13-028848-6	\$35.50 pkg.
Teacher's Guide	978-0-13-027911-8	\$80.25 binder



## Bridging Cultures: Indigenous and Scientific Ways of Knowing Nature

**Authors:** Aikenhead, Glen and Michell, Herman

### Annotation

**(CORE, SK, FNMI)** Recognizing the importance and place of traditional Indigenous knowledge in understanding the natural world, Aikenhead and Michell validate the role of traditional knowledge in the school science curriculum. The text assists educators to construct their own understanding of how both knowledge systems describe and explain nature. The authors provide general advice to guide teachers in their journey to incorporate multiple ways of knowing into their science teaching.

The text includes a table of contents, appendices, references, and an index.

K	1	2	3	4	5	6	7	8	9
	√	√	√	√	√	√	√	√	√

### Suggested Use

Professional Resource

### Publisher/Distributor

Pearson Education Canada  
School Division  
195 Harry Walker Pkwy N  
NEWMARKET ON L3Y 7B4  
(800) 361-6128  
(905) 853-7888  
Fax: (800) 563-9196  
Email: [cdn.ordr@pearsoned.com](mailto:cdn.ordr@pearsoned.com)  
Website: [www.pearsonschoolcanada.ca/](http://www.pearsonschoolcanada.ca/)

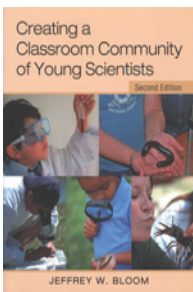
**Price:** \$29.95 pbk.

**Pagination:** 196 p.

**ISBN:** 978-0-13-210557-6

**Copyright:** 2011

**Year Recommended:** 2011



## Creating a Classroom Community of Young Scientists. 2nd ed.

**Author:** Bloom, Jeffrey W.

### Annotation

**(CORE, CAN)** In this resource, Bloom approaches science education through an inquiry-based and activities-based method. Students are responsible for (and in control of) their own and others' learning. Features in the book include examples of classroom practice, questions for reflection, planning and implementing instruction, and suggestions on how to include technology in the science classroom. A table of contents, appendices, and an index are provided.

K	1	2	3	4	5	6	7	8	9	10	11	12
	√	√	√	√	√							

### Suggested Use

Professional Resource

### Publisher/Distributor

Fitzhenry & Whiteside Limited

195 Allstate Pkwy

MARKHAM ON L3R 4T8

(800) 387-9776

Fax: (800) 260-9777

Email: [bookinfo@fitzhenry.ca](mailto:bookinfo@fitzhenry.ca)

Website: [www.fitzhenry.ca](http://www.fitzhenry.ca)

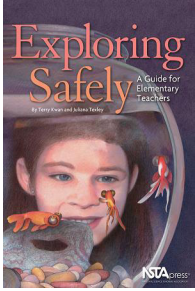
**Price:** \$39.95 pbk.

**Pagination:** 463 p.

**ISBN:** 978-1-55244-102-4

**Copyright:** 2006

**Year Recommended:** 2011



## Exploring Safely: A Guide for Elementary Teachers

**Authors:** Kwan, Terry and Texley, Juliana

### Annotation

**(CORE)** This resource relieves the many safety concerns that come with teaching Elementary Level science. The emphasis is on positive options for avoiding potential hazards. Chapters include making safe work habits second nature to students, equipping the classroom for safety, and choosing and culturing live plants and animals for classroom study. There are sample forms, including permission slips and student contracts, that can be adapted for educators' needs. A table of contents, appendices, and an index are provided.

K	1	2	3	4	5	6	7	8	9	10	11	12
	√	√	√	√	√							

### Suggested Use

Professional Resource

### Publisher/Distributor

National Science Teachers Association

PO Box 90214

WASHINGTON DC 20090

(800) 277-5300

(301) 638-0200

Fax: (888) 433-0526

Email: [pubinfo@nsta.org](mailto:pubinfo@nsta.org)

Website: [www.nsta.org](http://www.nsta.org)

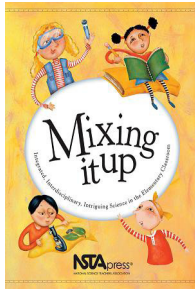
**Price:** \$22.95 U.S. pbk.

**Pagination:** 125 p.

**ISBN:** 978-0-87355-200-4

**Copyright:** 2002

**Year Recommended:** 2007



## Mixing It Up: Integrated, Interdisciplinary, Intriguing Science in the Elementary Classroom

**Editor:** Koba, Susan

### Annotation

**(CORE)** This resource provides over 25 suggestions to assist educators in combining concepts and processes within the sciences or among the disciplines. The terminology used in the book is clarified. For example, the integration of concepts and processes within the sciences is called *integrated science*, while the integration of concepts and processes among or between disciplines is called *interdisciplinary*. The book is divided into two sections: helping students build connections and school and community connections. A table of contents, a quick reference chart of articles, and an index are provided.

K	1	2	3	4	5	6	7	8	9	10	11	12
	√	√	√	√	√							

### Suggested Use

Professional Resource

### Publisher/Distributor

National Science Teachers Association  
 PO Box 90214  
 WASHINGTON DC 20090  
 (800) 277-5300  
 (301) 638-0200  
 Fax: (888) 433-0526  
 Email: [pubinfo@nsta.org](mailto:pubinfo@nsta.org)  
 Website: [www.nsta.org](http://www.nsta.org)

**Price:** \$21.95 U.S. pbk.

**Pagination:** 184 p.

**ISBN:** 978-0-87355-231-8

**Copyright:** 2003

**Year Recommended:** 2011

## National Geographic Science Series

**Authors:** Bell, Randy; Butler, Malcolm; Trundle, Kathy Cabe; Duke, Nell; Lederman, Judith; and Moore, David W.

### Annotation

**(CORE)** This series of modular kits allows students to build skills to ensure a complete understanding of the nature of science. The process skills and the nature of science work together to help students think and act like scientists. Students will develop their process skill of observation. Through the nature of science, students will learn that science knowledge is based on evidence and that science knowledge can change based on new evidence.

Numerous opportunities are provided for students to do hands-on explorations that ensure a thorough understanding of key science concepts. Each unit opens with a big question to guide learning. Throughout the unit, there are four levels of inquiry. The explore activity allows students to build background knowledge. Teachers direct instruction in directed inquiry. In guided inquiry, students become independent learners with guidance from the teacher. Students choose their own questions, create and carry out plans, collect and record data, and share data in open inquiry.

Each classroom set consists of big books, little books, a teacher's guide, and learning and assessment masters. Additional online material for students and teachers is available at [www.myngconnect.com/login/chooseMainUI.spr](http://www.myngconnect.com/login/chooseMainUI.spr). Eight packs of select titles are also available for purchase.

Note: Teachers using this resource are encouraged to select material that directly relates to Saskatchewan's science curriculum outcomes. Additional resources will be needed to further address the outcomes.

K	1	2	3	4	5	6	7	8	9	10	11	12
	√	√										

### Suggested Uses

Air and Water in the Environment (Gr. 2)  
 Animal Growth and Changes (Gr. 2)  
 Liquids and Solids (Gr. 2)  
 Motion and Relative Position (Gr. 2)  
 Daily and Seasonal Changes (Gr. 1)  
 Needs and Characteristics of Living Things (Gr. 1)  
 Using Objects and Materials (Gr. 1)

### Publisher/Distributor

National Geographic School Publishing  
 Hampton-Brown  
 PO Box 4002865  
 DES MOINES IA 50450  
 Rick Kostiuk, Western Canada Representative  
 (306) 445-4828  
 Fax: (306) 446-3453  
 Email: [rickkostiuk@sasktel.net](mailto:rickkostiuk@sasktel.net)  
 Website: [www.ngsp.com](http://www.ngsp.com)

**Copyright:** 2010

**Year Recommended:** 2011

Title	ISBN	Price
<b>Life Science</b>		
Living Things: Classroom Set	978-0-7362-6578-2	\$668.62 set
Living Things: Big Ideas	978-0-7362-5507-3	\$6.81 pbk.
Living Things: Big Ideas: Big Book	978-0-7362-5506-6	\$42.35 pbk.
Living Things: Science Inquiry Book	978-0-7362-6224-8	\$6.81 pbk.
Become an Expert: A Wolf's World	978-0-7362-5508-0	\$6.81 pbk.
Become an Expert: An Alligator's World	978-0-7362-5510-3	\$6.81 pbk.
Become an Expert: An Elephant's World	978-0-7362-5509-7	\$6.81 pbk.
Explore on Your Own: Do Wolf Pups Need a Babysitter?	978-0-7362-5512-7	\$5.08 pbk.
Explore on Your Own: The Baobab and the Elephant	978-0-7362-5511-0	\$5.08 pbk.
Explore on Your Own: The Muddy Dragon	978-0-7362-5513-4	\$5.08 pbk.

(continued)

## National Geographic Science Series (continued)

Title	ISBN	Price
Living Things: Teacher's Edition	978-0-7362-6380-1	\$54.28 spiral-bound
Write about Living Things: Wild Animals in the City: An Expository Text: Big Book	978-0-7362-5514-1	\$21.18 pbk.
Living Things: Learning Masters	978-0-7362-7256-8	\$37.06 pbk.
Living Things: Big Ideas and Vocabulary Cards	978-0-7362-6236-1	\$23.53 set
Living Things: Assessment Handbook	978-0-7362-6392-4	\$37.06 pbk.
Living Things: Science Inquiry Kit	978-0-7362-7365-7	\$151.42 (2 box set)
Plants and Animals: Classroom Set	978-0-7362-6584-3	\$668.62 set
Plants and Animals: Big Ideas	978-0-7362-5557-8	\$6.81 pbk.
Plants and Animals: Big Ideas: Big Book	978-0-7362-5556-1	\$42.35 pbk.
Plants and Animals: Science Inquiry Book	978-0-7362-6230-9	\$6.81 pbk.
Become an Expert: Oak Trees and White-tailed Deer	978-0-7362-5560-8	\$6.81 pbk.
Become an Expert: Saguaro Cacti and Elf Owls	978-0-7362-5559-2	\$6.81 pbk.
Become an Expert: Water Lillies and Bullfrogs	978-0-7362-5558-5	\$6.81 pbk.
Explore on Your Own: The Cactus Name Game	978-0-7362-5562-2	\$5.08 pbk.
Explore on Your Own: The Giant Water Lilly	978-0-7362-5541-7	\$5.08 pbk.
Explore on Your Own: Trees, Seeds, and Leaves	978-0-7362-5563-9	\$5.08 pbk.
Plants and Animals: Teacher's Edition	978-0-7362-6386-3	\$54.28 spiral-bound
Write about Plants and Animals: Plants We Eat: An Expository Text: Big Book	978-0-7362-5564-6	\$21.18 pbk.
Plants and Animals: Learning Masters	978-0-7362-7258-2	\$37.06 pbk.
Plants and Animals: Big Ideas and Vocabulary Cards	978-0-7362-6272-9	\$23.53 set

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Title	ISBN	Price
Plants and Animals: Assessment Handbook	978-0-7362-6398-6	\$37.06 pbk.
Plants and Animals: Science Inquiry Kit	978-0-7362-7366-4	\$195.13 kit
Habitats: Classroom Set	978-0-7362-6579-9	\$668.62 set
Habitats: Big Ideas	978-0-7362-5367-3	\$6.81 pbk.
Habitats: Big Ideas: Big Book	978-0-7362-5366-6	\$42.35 pbk.
Habitats: Science Inquiry Book	978-0-7362-6225-5	\$6.81 pbk.
Become an Expert: At Home in the Desert	978-0-7362-5370-3	\$6.81 pbk.
Become an Expert: At Home in the Ocean	978-0-7362-5369-7	\$6.81 pbk.
Become an Expert: At Home on the Prairie	978-0-7362-5368-0	\$6.81 pbk.
Explore on Your Own: Eat or Be Eaten!	978-0-7362-5373-4	\$5.08 pbk.
Explore on Your Own: Watch Out!	978-0-7362-5372-7	\$5.08 pbk.
Explore on Your Own: What Are They Good for?	978-0-7362-5371-0	\$5.08 pbk.
Habitats: Teacher's Edition	978-0-7362-6381-8	\$54.28 spiral-bound
Write about Habitats: A Coyote in the City: Big Book	978-0-7362-5374-1	\$21.18 pbk.
Habitats: Learning Masters	978-0-7362-7259-9	\$37.06 pbk.
Habitats: Big Ideas and Vocabulary Cards	978-0-7362-6242-2	\$23.53 set
Habitats: Assessment Handbook	978-0-7362-6393-1	\$37.06 pbk.
Habitats: Science Inquiry Kit	978-0-7362-7371-8	\$156.44 kit
Life Cycles: Classroom Set	978-0-7362-6586-7	\$668.62 set
Life Cycles: Big Ideas	978-0-7362-5567-7	\$6.81 pbk.
Life Cycles: Big Ideas: Big Book	978-0-7362-5566-0	\$42.35 pbk.
Life Cycles: Science Inquiry Book	978-0-7362-6231-6	\$6.81 pbk.

(continued)

## National Geographic Science Series (continued)

Title	ISBN	Price
Become an Expert: Life by a Bay	978-0-7362-5568-4	\$6.81 pbk.
Become an Expert: Life in a Forest	978-0-7362-5570-7	\$6.81 pbk.
Become an Expert: Life in a Garden	978-0-7362-5569-1	\$6.81 pbk.
Explore on Your Own: A Butterfly's Favorite Plant	978-0-7362-5572-1	\$5.08 pbk.
Explore on Your Own: Whose Babies Are These?	978-0-7362-5573-8	\$5.08 pbk.
Explore on Your Own: Why Don't Crocodiles Make Good Pets?	978-0-7362-5571-4	\$5.08 pbk.
Life Cycles: Teacher's Edition	978-0-7362-6387-0	\$54.28 spiral-bound
Write about Life Cycles: We Need More Trees!: Big Book	978-0-7362-5574-5	\$21.18 pbk.
Life Cycles: Learning Masters	978-0-7362-7257-5	\$37.06 pbk.
Life Cycles: Big Ideas and Vocabulary Cards	978-0-7362-6278-1	\$23.53 set
Life Cycles: Assessment Handbook	978-0-7362-6399-3	\$37.06 pbk.
Life Cycles: Science Inquiry Kit	978-0-7362-7372-5	\$111.72 kit
<b>Physical Science</b>		
Solids, Liquids, and Gases: Classroom Set	978-0-7362-6588-1	\$668.62 set
Solids, Liquids, and Gases: Big Ideas	978-0-7362-5597-4	\$6.81 pbk.
Solids, Liquids, and Gases: Big Ideas: Big Book	978-0-7362-5596-7	\$42.35 pbk.
Solids, Liquids, and Gases: Science Inquiry Book	978-0-7362-6234-7	\$6.81 pbk.
Become an Expert: Solids, Liquids, and Gases at Campsites	978-0-7362-5599-8	\$6.81 pbk.
Become an Expert: Solids, Liquids, and Gases at the Beach	978-0-7362-5600-1	\$6.81 pbk.

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Title	ISBN	Price
Become an Expert: Solids, Liquids, and Gases in Cities	978-0-7362-5598-1	\$6.81 pbk.
Explore on Your Own: Postcards from My Trip	978-0-7362-5601-8	\$5.08 pbk.
Explore on Your Own: Ranger for a Day	978-0-7362-5602-5	\$5.08 pbk.
Explore on Your Own: Shell Shapes	978-0-7362-5603-2	\$5.08 pbk.
Solids, Liquids, and Gases: Teacher's Edition	978-0-7362-6390-0	\$54.28 spiral-bound
Write about Solids, Liquids, and Gases: What Mixes With Water?: Big Book	978-0-7362-5604-9	\$21.18 pbk.
Solids, Liquids, and Gases: Learning Masters	978-0-7362-7266-7	\$37.06 pbk.
Solids, Liquids, and Gases: Big Ideas and Vocabulary Cards	978-0-7362-6296-5	\$23.53 set
Solids, Liquids, and Gases: Assessment Handbook	978-0-7362-6402-0	\$37.06 pbk.
Solids, Liquids, and Gases: Science Inquiry Kit	978-0-7362-7375-6	\$166.75 kit
Forces and Motion: Classroom Set	978-0-7362-6589-8	\$668.62 set
Forces and Motion: Big Ideas	978-0-7362-5607-0	\$6.81 pbk.
Forces and Motion: Big Ideas: Big Book	978-0-7362-5606-3	\$42.35 pbk.
Forces and Motion: Science Inquiry Book	978-0-7362-6235-4	\$6.81 pbk.
Become an Expert: Forces and Motion during Ball Games	978-0-7362-5608-7	\$6.81 pbk.
Become an Expert: Forces and Motion during Winter Sports	978-0-7362-5609-4	\$6.81 pbk.
Become an Expert: Forces and Motion with Wheels	978-0-7362-5610-0	\$6.81 pbk.

(continued)

## National Geographic Science Series (continued)

K	1	2	3	4	5	6	7	8	9	10	11	12
	√	√										

Title	ISBN	Price
Explore on Your Own: Do You Like to Bike?	978-0-7362-5613-1	\$5.08 pbk.
Explore on Your Own: Go for It!	978-0-7362-5612-4	\$5.08 pbk.
Explore on Your Own: Juggle, Shoot, and Score	978-0-7362-5611-7	\$5.08 pbk.
Forces and Motion: Teacher's Edition	978-0-7362-6391-7	\$54.28 spiral-bound
Write about Forces and Motion: All about Magnets: Big Book	978-0-7362-5614-8	\$21.18 pbk.
Forces and Motion: Learning Masters	978-0-7362-7267-4	\$37.06 pbk.
Forces and Motion: Big Ideas and Vocabulary Cards	978-0-7362-6302-3	\$23.53 set
Forces and Motion: Assessment Handbook	978-0-7362-6403-7	\$37.06 pbk.
Forces and Motion: Science Inquiry Kit	978-0-7362-7376-3	\$147.40 kit
<b>Earth Science</b>		
Land and Water: Classroom Set	978-0-7362-6580-5	\$668.62 set
Land and Water: Big Ideas	978-0-7362-5517-2	\$6.81 pbk.
Land and Water: Big Ideas: Big Book	978-0-7362-5516-5	\$42.35 pbk.
Land and Water: Science Inquiry Book	978-0-7362-6226-2	\$6.81 pbk.
Become an Expert: Land and Water in Hawaii	978-0-7362-5520-2	\$6.81 pbk.
Become an Expert: Land and Water in Iceland	978-0-7362-5519-6	\$6.81 pbk.
Become an Expert: Land and Water in Mexico	978-0-7362-5518-9	\$6.81 pbk.
Explore on Your Own: Hawaii's Volcanoes	978-0-7362-5523-3	\$5.08 pbk.
Explore on Your Own: The Island That Formed in One Day	978-0-7362-5522-6	\$5.08 pbk.
Explore on Your Own: Volcanoes in Mexico	978-0-7362-5521-9	\$5.08 pbk.
Land and Water: Teacher's Edition	978-0-7362-6382-5	\$54.28 spiral-bound
Write about Land and Water: Take Care of Earth!: Big Book	978-0-7362-5534-9	\$21.18 pbk.

Title	ISBN	Price
Land and Water: Learning Masters	978-0-7362-7262-9	\$37.06 pbk.
Land and Water: Big Ideas and Vocabulary Cards	978-0-7362-6248-4	\$23.53 set
Land and Water: Assessment Handbook	978-0-7362-6394-8	\$37.06 pbk.
Land and Water: Science Inquiry Kit	978-0-7362-7368-8	\$122.40 kit
Weather: Classroom Set	978-0-7362-6587-4	\$668.62 set
Weather: Big Ideas Book	978-0-7362-5527-1	\$6.81 pbk.
Weather: Big Ideas: Big Book	978-0-7362-5526-4	\$42.35 pbk.
Weather: Science Inquiry Book	978-0-7362-6233-0	\$6.81 pbk.
Become an Expert: A Snowy Place	978-0-7362-5530-1	\$6.81 pbk.
Become an Expert: A Warm Place	978-0-7362-5529-5	\$6.81 pbk.
Become an Expert: A Windy Place	978-0-7362-5528-8	\$6.81 pbk.
Explore on Your Own: All Kinds of Snow	978-0-7362-5533-2	\$5.08 pbk.
Explore on Your Own: Sometimes It's Windy, Snowy, Rainy, or Sunny	978-0-7362-5531-8	\$5.08 pbk.
Explore on Your Own: What Can Clouds Bring?	978-0-7362-5532-5	\$5.08 pbk.
Weather: Teacher's Edition	978-0-7362-6389-4	\$54.28 spiral-bound
Write about Weather: How to Make a Wind Vane: Big Book	978-0-7362-5594-3	\$21.18 pbk.
Weather: Learning Masters	978-0-7362-7260-5	\$37.06 pbk.
Weather: Big Ideas & Vocabulary Cards	978-0-7362-6290-3	\$23.53 set
Weather: Assessment Handbook	978-0-7362-6401-3	\$37.06 pbk.
Weather: Science Inquiry Kit	978-0-7362-7372-2	\$60.65 kit

## Pan-Canadian Science Place 2

**Editor:** Graham, Wendy

### Annotation

**(CORE, CAN)** This comprehensive series addresses learning outcomes from all four units of Saskatchewan's Grade 2 science curriculum.

The teacher's guide provides lesson plans organized in three parts: activate, explore, and apply. Each lesson includes expectations, assessment options, background information, ideas to activate prior knowledge and introduce concepts, activities to apply learning to situations beyond the classroom, support for struggling learners, and ideas to extend learning.

The student books build on students' prior knowledge, engage their interest in the topic, explore concepts with open-ended or directed explorations and information, and help students to apply what they have learned to their real-world experiences.

Note: Teachers using this resource are encouraged to select material that directly relates to Saskatchewan's science curriculum outcomes. Additional resources will be needed to further address the outcomes.

K	1	2	3	4	5	6	7	8	9	10	11	12
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### Suggested Uses

Air and Water in the Environment  
Animal Growth and Changes  
Liquids and Solids  
Motion and Relative Position

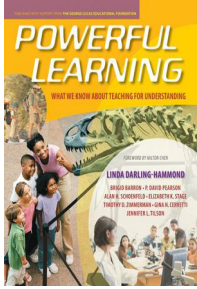
### Publisher/Distributor

Scholastic Canada Ltd.  
175 Hillmount Rd  
MARKHAM ON L6C 1Z7  
(800) 387-3860  
Fax: (800) 387-4944  
Email: [custserve@scholastic.ca](mailto:custserve@scholastic.ca)  
Website: [www.scholastic.ca/](http://www.scholastic.ca/)

**Copyright:** 2000

**Year Recommended:** 2008

Title	ISBN	Price
Air and Water	978-1-55268-917-2	\$9.00 pbk.
Air and Water: Teacher's Guide	978-1-55268-911-0	\$35.00 spiral-bound
Animals Grow	978-1-55268-913-4	\$9.00 pbk.
Animals Grow: Teacher's Guide	978-1-55268-899-1	\$35.00 spiral-bound
Matter, Matter Everywhere	978-1-55268-914-1	\$7.00 pbk.
Matter, Matter Everywhere: Teacher's Guide	978-1-55268-902-8	\$35.00 spiral-bound
Move It!	978-1-55268-916-5	\$9.00 pbk.
Move It!: Teacher's Guide	978-1-55268-908-0	\$35.00 spiral-bound



## Powerful Learning: What We Know about Teaching for Understanding

**Authors:** Darling-Hammond, Linda; Barron, Brigid; Pearson, David P.; Schoenfeld, Alan H.; Stage, Elizabeth K.; Zimmerman, Timothy D.; Cervetti, Gina N.; and Tilson, Jennifer L.

### Annotation

**(CORE)** The authors provide a number of teaching practices including project-based learning, co-operative learning, performance-based assessment, as well as instructional strategies in literacy, mathematics, and science.

Online videos at [www.edutopia.org](http://www.edutopia.org) demonstrate how the models generate student understanding.

There are examples that show how educators can enable students to think critically, transfer skills and knowledge, and be flexible problem solvers, both inside and outside the classroom.

The book includes a table of contents, an appendix, a bibliography, and a subject index.

Note: This resource has also been recommended to support the Grade 1 mathematics curriculum and the Kindergarten curriculum.

K	1	2	3	4	5	6	7	8	9	10	11	12
√	√	√	√	√	√							

### Suggested Use

Professional Resource

### Publisher

Jossey-Bass

### Distributor

John Wiley & Sons Canada Ltd.  
6045 Freemont Blvd  
MISSISSAUGA ON L5R 4J3  
(800) 567-4797  
Fax: (800) 565-6802  
Email: [canada@wiley.com](mailto:canada@wiley.com)  
Website: <http://ca.wiley.com/>

**Price:** \$33.99 spiral-bound

**Pagination:** 288 p.

**ISBN:** 978-0-470-27667-9

**Copyright:** 2008

**Year Recommended:** 2009



## Science and Children

### Annotation

**(CORE)** This NSTA journal, specifically geared towards Elementary Level science teachers, is published eight times per year. Each issue focuses on a particular theme and contains a variety of articles with up-to-date information about the teaching of science and detailed activities for use in the classroom. This professional resource helps educators to be informed about leading thought and developments in the teaching of science.

K	1	2	3	4	5	6	7	8	9	10	11	12
	√	√	√	√	√							

### Suggested Use

Professional Resource

### Publisher/Distributor

National Science Teachers Association

PO Box 90214

WASHINGTON DC 20090

(800) 277-5300

(301) 638-0200

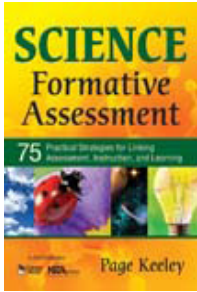
Fax: (888) 433-0526

Email: [pubinfo@nsta.org](mailto:pubinfo@nsta.org)

Website: [www.nsta.org](http://www.nsta.org)

**Price:** \$74.00 U.S. – membership fee

**Year Recommended:** 2007



## Science Formative Assessment: 75 Practical Strategies for Linking Assessment, Instruction, and Learning

**Author:** Keeley, Page

### Annotation

**(CORE)** This resource assists educators in determining students' understanding of key concepts and designing learning opportunities that will deepen student mastery of content. Keeley provides 75 specific techniques that include promoting student learning, considerations for design and implementation, modelling the technique, differentiated instruction, and ways the techniques can be used in other areas of study.

The book includes a table of contents, an appendix, and an index.

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### Suggested Use

Professional Resource

### Publisher/Distributor

National Science Teachers Association  
PO Box 90214  
WASHINGTON DC 20090  
(800) 277-5300  
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Fax: (888) 433-0526  
Email: [pubinfo@nsta.org](mailto:pubinfo@nsta.org)  
Website: [www.nsta.org](http://www.nsta.org)

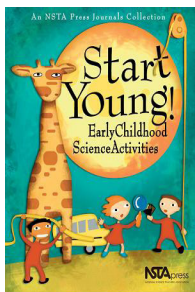
**Price:** \$33.95 U.S. pbk.

**Pagination:** 248 p.

**ISBN:** 978-1-41294-180-8

**Copyright:** 2008

**Year Recommended:** 2012



## Start Young!: Early Childhood Science Activities

**Editor:** McNair, Shannan

### Annotation

**(CORE)** This NSTA resource is designed for educators of PreK to Grade 2 students. The resource is a collection of journal articles that provide suggestions to introduce science to young children. Articles are arranged in four sections: early learning and science, child-centred curricula, integrating curricula, and assessing understanding. A table of contents, a quick reference chart of articles, and an index are provided.

K	1	2	3	4	5	6	7	8	9	10	11	12
√	√	√										

### Suggested Use

Professional Resource

### Publisher/Distributor

National Science Teachers Association

PO Box 90214

WASHINGTON DC 20090

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(301) 638-0200

Fax: (888) 433-0526

Email: [pubinfo@nsta.org](mailto:pubinfo@nsta.org)

Website: [www.nsta.org](http://www.nsta.org)

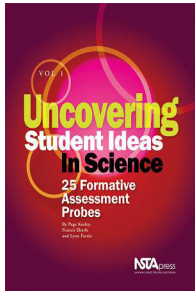
**Price:** \$28.54 U.S. pbk.

**Pagination:** 174 p.

**ISBN:** 978-0-87355-268-4

**Copyright:** 2006

**Year Recommended:** 2011



## Uncovering Student Ideas in Science Series

**Editors:** Keeley, Page; Eberle, Francis; Farrin, Lynn; Dorsey, Chad; and Tugel, Joyce

### Annotation

**(CORE)** This series of books provides short assessment probes that determine what misconceptions students bring to the classroom about physical, life, Earth, and space sciences. Each book provides detailed suggestions on how to use assessment probes in the classroom to uncover, assess, and correct student preconceptions. A table of contents, a quick reference chart of articles, and an index is provided in each book.

K	1	2	3	4	5	6	7	8	9	10	11	12
	√	√	√	√	√							

### Suggested Use

Professional Resource

### Publisher/Distributor

National Science Teachers Association

PO Box 90214

WASHINGTON DC 20090

(800) 277-5300

(301) 638-0200

Fax: (888) 433-0526

Email: [pubinfo@nsta.org](mailto:pubinfo@nsta.org)

Website: [www.nsta.org/](http://www.nsta.org/)

**Price:** \$28.95 U.S. each pbk.

\$104.95 U.S. set of 4

**Copyright:** 2006

**Year Recommended:** 2009

Title	ISBN
25 Formative Assessment Probes: Volume 1	978-0-87355-255-4
25 More Formative Assessment Probes: Volume 2	978-0-87355-278-8
Another 25 Formative Assessment Probes: Volume 3	978-1-93353-124-3
25 New Formative Assessment Probes: Volume 4	978-1-935155-01-0

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## Science 2: Suggested Core and Additional Resources by Unit

### Air and Water in the Environment

Addison-Wesley Science & Technology 2 (CORE)  
Exploring the Elements Series  
Hands-on Science 2. WNCP ed.  
Here Comes the Garbage Barge!  
National Geographic Science Series (CORE)  
Nature's Cycles Series  
Pan-Canadian Science Place 2 (CORE)  
Timon and Pumbaa: Safety Smart Goes Green  
Water All Around Series  
Water Dance  
Weather: Discover Why It Storms, Rains, Snows or Shines  
When Rain Falls

### Animal Growth and Changes

Addison-Wesley Science & Technology 2 (CORE)  
Ancient Thunder  
Animal Behaviour Series  
Backyard Birds: An Introduction  
Borealis: A Polar Bear Cub's First Year  
Bradley McGogg: The Very Fine Frog  
Bug Safari  
The Caribou Feed Our Soul/Ætthén bet'á dághíddá  
Chameleon, Chameleon  
Children of the Earth ... Remember  
Dazzling Dragonflies: A Life Cycle Story  
Diary of a Fly  
Diary of a Fly (ROVER)  
Diary of a Worm  
Diary of a Worm (ROVER)  
Dot & Jabber and the Big Bug Mystery  
An Egg Is Quiet  
The Emperor's Egg (ROVER)  
First the Egg (ROVER)  
Growing Frogs (ROVER)  
Hands-on Science 2. WNCP ed.  
Have You Ever Seen a Duck in a Raincoat?  
Honk, Honk, Goose!: Canada Geese Start a Family  
How Robin Saved Spring  
Ice Bear: In the Steps of the Polar Bear  
Ice Bears  
It's Moving Day  
Life in the Boreal Forest  
Looking Closely Series

Monarch and Milkweed (ROVER)  
National Geographic Science Series (CORE)  
Nature's Cycles Series  
Niiwin: Four Ojibwa Critter Tales  
On Meadowview Street  
One Tiny Turtle (ROVER)  
Ookpik: The Travels of a Snowy Owl  
Oscar and the Frog: A Book about Growing  
Pan-Canadian Science Place 2 (CORE)  
Rain Forest  
The Rescue of Nanoose  
Sandy's Incredible Shrinking Footprint  
The Story Goes On  
Survival at 40 Below  
Swing, Slither, or Swim: A Book about Animal Movements  
Velma Gratch & the Way Cool Butterfly  
The Very Best Bed  
What Do You Do with a Tail Like This? (ROVER)  
When Rain Falls  
Where Beef Comes from  
White Owl, Barn Owl  
White Owl, Barn Owl (ROVER)  
Whoo Goes There?  
Winston of Churchill: One Bear's Battle Against Global Warming

### Liquids and Solids

Addison-Wesley Science & Technology 2 (CORE)  
The Adventures of a Plastic Bottle: A Story about Recycling  
Hands-on Science 2. WNCP ed.  
Materials: Liquids, Solids, and Gases: Their Properties and Uses  
National Geographic Science Series (CORE)  
Pan-Canadian Science Place 2 (CORE)  
Primary Physical Science Series  
Properties of Matter, Part 1 (ROVER)  
Properties of Matter, Part 2 (ROVER)  
Timon and Pumbaa: Safety Smart Goes Green  
Water All Around Series  
Water Dance  
When Rain Falls

### Motion and Relative Position

Addison-Wesley Science & Technology 2 (CORE)  
Hands-on Science 2. WNCP ed.  
National Geographic Science Series (CORE)  
Pan-Canadian Science Place 2 (CORE)

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## Professional Resource

Addison-Wesley Science & Technology 2 (CORE)  
Air, Water, & Weather: Stop Faking It!: Finally  
Understanding Science So You Can Teach It  
Bridging Cultures: Indigenous and Scientific Ways  
of Knowing Nature (CORE)  
Creating a Classroom Community of Young  
Scientists. 2nd ed. (CORE)  
Exploring Safely: A Guide for Elementary Teachers  
(CORE)  
Force & Motion: Stop Faking It!: Finally  
Understanding Science So You Can Teach It  
Integrating Science with Mathematics & Literacy:  
New Visions for Learning and Assessment. 2nd ed.  
Inviting Writing into the Science Classroom: How  
Teachers Open the Door  
Mixing It Up: Integrated, Interdisciplinary, Intriguing  
Science in the Elementary Classroom (CORE)  
Pan-Canadian Science Place 2 (CORE)  
Powerful Learning: What We Know about Teaching  
for Understanding (CORE)  
National Geographic Science Series (CORE)  
Readings in Science Methods, K-8  
Safety in the Science Classroom: Kindergarten to  
Grade 12  
Science and Children (CORE)  
Scientific Formative Assessment: 75 Practical  
Strategies for Linking Assessment, Instruction, and  
Learning (CORE)  
Start Young!: Early Childhood Science Activities  
(CORE)  
Stepping Up to Science and Math  
Take an Ecowalk 1, Explore Science Concepts:  
Grades 1-5  
Uncovering Student Ideas in Science Series (CORE)