



**MATHEMATICS  
KINDERGARTEN TO GRADE 4**

**A Reference for Selecting Learning  
Resources**

Manitoba Education and Training Cataloguing in Publication Data

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Any websites referenced in this document are subject to change without notice. Educators are advised to preview and evaluate websites and online resources before recommending them for student use.

This resource is available on the Manitoba Education and Training at  
<[www.edu.gov.mb.ca/k12/learnres/bibliographies.html](http://www.edu.gov.mb.ca/k12/learnres/bibliographies.html)>.

## A C K N O W L E D G E M E N T S

Manitoba Education and Training acknowledges the individuals involved in the review and selection of learning resources to support provincial curriculum implementation. Appreciation is also extended to school divisions within Manitoba that support teachers' participation in the review. Finally, publishers, producers, and distributors are thanked for their submission of learning resources for consideration.

This bibliography provides annotations to supplement the shortlist of titles originally posted in 2014.

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# I N T R O D U C T I O N

## Reference for Selecting Learning Resources

*MATHEMATICS KINDERGARTEN TO GRADE 4: A Reference for Selecting Learning Resources* is a reference tool provided by Manitoba Education and Training to help educators select student and teacher learning resources to support the curriculum.

## Learning Resources Reviews

Publishers submit resources for review to the Learning Resources Unit of Instruction, Curriculum and Assessment Branch in response to the Department's request for new learning resources to support provincial curricula. Teachers, nominated by superintendents of school divisions, are selected as teacher-evaluators. Using a collaborative review process, the teacher-evaluators examine the materials according to the resource-selection criteria to make recommendations regarding the suitability of the resources for Manitoba students and teachers.

## Resource Selection Criteria

Learning resources are selected based on the basis of their fidelity with the rationale, philosophy, processes, and learning outcomes identified in each curriculum. Four evaluation criteria are used in selecting learning resources:

- **Curriculum Fit/Content/Philosophy:** the degree to which the content and processes of the resource align with the curriculum, thus providing support for curriculum implementation.
- **Instructional Design:** the degree to which the resource provides for multiple approaches to learning, has a wide range of use, is current, and reflects current pedagogical theory and practice.
- **Social Considerations:** the degree to which the resource is free of bias and stereotyping. The resource is examined for Canadian content, the use of culturally diverse examples, and accurate portrayal of First Nations, Inuit, and Métis peoples. Cautionary notes are added to alert teachers to potentially sensitive curriculum-fit issues or potential community concerns related to the resource.
- **Technical Design:** the degree to which the resource is visually appealing and has a logical and consistent form.

When selecting learning and teaching resources, teachers should consider how the resources meet the learning requirements of students, the perspectives of the student population, and local decisions related to the delivery of potentially sensitive content.

## Terms and Definitions

The following terms and definitions are used to describe the learning resources:

- **Breadth:** identifies learning resources that address a wide range of student learning outcomes for a particular grade.
- **Depth:** identifies learning resources that provide effective learning experiences in greater detail for a narrower grouping of student learning outcomes.
- **Breadth and Depth:** identifies comprehensive learning resources that provide both breadth and depth dimensions for an extensive grouping of student learning outcomes.
- **Teacher Reference:** identifies resources that assist teachers in implementing the curriculum, including background information for teacher use; may identify teaching suggestions and learning activities.
- **Teacher Guide:** identifies a separate guide for teachers or a teacher's edition of a **Student Text**.

## Purchase of Learning Resources

The learning resources described in the bibliography may be available for purchase at: <http://www.mtbb.mb.ca/catalogue/en> or through applicable publisher/distributors.



## TITLES & DESCRIPTIONS

## Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades 4-8

**Author(s):** Marian Small                      **Audience:** Teacher  
**Edition:** 1st Edition  
**Year:** 2009  
**Pagination:** 330 p.  
**ISBN:** 978-0-17-635713-9  
**Format:** Print

**Publisher:** Nelson Education Ltd.              **Date Recommended:** July 11, 2014

### *Subject / Grade*

	K	1	2	3	4	5	6	7	8	9	10
Mathematics					✓	✓	✓	✓	✓		

*Big Ideas from Dr. Small, Creating a Comfort Zone for Teaching Mathematics* is designed to help teachers focus on the “big ideas” at the grades 4 to 8 level. The professional resource is designed to help teachers increase their comfort level in math content knowledge and pedagogy. It guides teachers through explicit visuals of how to teach math concepts in a practical way that allows students to understand and make sense of the mathematics. The author presents many practical activities and follow-up questions that can be used in the classroom for assessment or instructional purposes. The resource helps teachers to recognize when to move on to the next “big idea” based on student readiness and understanding. Each chapter introduces big ideas for a mathematical concept. Planning suggestions allow teachers to look at curriculum outcomes through a big ideas lens and focus on lesson goals to make the big ideas explicit.

## Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades 4-8: Facilitator’s Guide (includes DVD)

**Author(s):** Marian Small                      **Audience:** Teacher  
**Edition:** 1st Edition  
**Year:** 2010  
**Pagination:** 52 p.  
**ISBN:** 978-0-17-624174-2  
**Format:** Print/DVD

**Publisher:** Nelson Education Ltd.              **Date Recommended:** July 11, 2014

### *Subject / Grade*

	K	1	2	3	4	5	6	7	8	9	10
Mathematics					✓	✓	✓	✓	✓		



*Big Ideas from Dr. Small, Creating a Comfort Zone for Teaching Mathematics Facilitator's Guide* accompanies *Big Ideas from Dr. Small, Creating a Comfort Zone for Teaching Mathematics*. The facilitator's guide can help teachers when they engage in a book study group or professional learning community. It helps teachers develop a deeper understanding of how mathematics can be taught through the big ideas. The resource contains ten sessions which focus on increasing teacher's knowledge of teaching mathematics. The resource can be adapted and can be used even if you are not a math specialist. The DVD demonstrates how and to teach big ideas and the clips are done by volunteer teachers who are working with their own students.

## Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3

**Author(s):** Marian Small                      **Audience:** Teacher  
**Edition:** 1st Edition  
**Year:** 2009  
**Pagination:** unpaginated  
**ISBN:** 978-0-17-610555-6  
**Format:** Print

**Publisher:** Nelson Education Ltd.              **Date Recommended:** July 11, 2014

### Subject / Grade

	K	1	2	3	4	5	6	7	8	9	10
Mathematics	✓	✓	✓	✓							

*Big Ideas from Dr. Small, Creating a Comfort Zone for Teaching Mathematics* is designed to help teachers focus on the “big ideas” at the grades K to 3 level. The professional resource is designed to help teachers increase their comfort level in math content knowledge and pedagogy. It guides teachers through explicit visuals how to teach math concepts in a practical way that allows students to understand and make sense of the mathematics. The author presents many practical activities and follow-up questions that can be used in the classroom for assessment or instructional purposes. The resource helps teachers to recognize when to move on to the next “big idea” based on student readiness and understanding. Each chapter introduces big ideas for a mathematical concept. Planning suggestions allow teachers to look at curriculum outcomes through a big ideas lens and focus on lesson goals to make the big ideas explicit.

## Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3: Facilitator's Guide (included DVD)

**Author(s):** Marian Small                      **Audience:** Teacher  
**Edition:** 1st Edition  
**Year:** 2009  
**Pagination:** 44 p.  
**ISBN:** 978-0-17-610557-0  
**Format:** Print/DVD

**Publisher:** Nelson Education Ltd.              **Date Recommended:** July 11, 2014

### *Subject/Grade*

	K	1	2	3	4	5	6	7	8	9	10
Mathematics	✓	✓	✓	✓							

*Big Ideas from Dr. Small, Creating a Comfort Zone for Teaching Mathematics Facilitator's Guide* accompanies *Big Ideas from Dr. Small, Creating a Comfort Zone for Teaching Mathematics*. The facilitator's guide can help teachers when they engage in a book study group or professional learning community. It helps teachers develop a deeper understanding of how mathematics can be taught through the big ideas. The resource contains ten sessions which focus on increasing teacher's knowledge of teaching mathematics. The resource can be adapted and can be used even if you are not a math specialist. The DVD demonstrates how and to teach big ideas and the clips are done by volunteer teachers who are working with their own students.

## **Building Mathematical Comprehension: Using Literacy Strategies to Make Meaning**

**Author(s):** Laney Sammons                      **Audience:** Teacher  
**Edition:** First Edition                      **Suggested Use(s):** English Language Arts  
**Year:** 2011  
**Pagination:** 304 p.  
**ISBN:** 9781425807894  
**Format:** Print

**Publisher:** Shell Education                      **Date Recommended:** July 11, 2014  
**Distributor:** Nelson Education Ltd.

### *Subject/Grade*

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

*Building Mathematical Comprehension* helps teachers integrate literacy and numeracy, and increase comprehension. It applies research-based reading comprehension strategies to the understanding of mathematics. It shows teachers how to use familiar

devices such as visualizing, illustrating, making predictions, making connections, and vocabulary building to help students delve deeper into mathematical understanding to build their conceptual understanding. Useful for kindergarten to grade 8.

## Eyes on Math: A Visual Approach to Teaching Math Concepts

<b>Author(s):</b>	Marian Small	<b>Audience:</b>	Teacher, Student
<b>Edition:</b>	1st Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2013		
<b>Pagination:</b>	240 p.		
<b>ISBN:</b>	9780807753910		
<b>Format:</b>	Print		
<b>Publisher:</b>	Teachers College Press	<b>Date Recommended:</b>	July 11, 2014
<b>Distributor:</b>	Nelson Education Ltd.		

### *Subject / Grade*

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

This K-8 teacher resource book supplements a comprehensive math program by highlighting the importance of the visualization and communication of student thinking. The intent is to help teachers build a rich math environment by using visuals to stimulate student thinking. Questions are provided for teachers to use in a conversation with students and to identify the underlying math concepts. Extension questions are provided for further exploration. Online colour visuals are also available to initiate. Student conversations and strengthen conceptual knowledge of math content.

**Cautionary Note:** Some references and visuals include U.S. money and imperial measure. Teachers should check the Manitoba Curriculum for correct grade level alignment of content.

## Good Questions: Great Ways to Differentiate Mathematics Instruction

<b>Author(s):</b>	Marian Small	<b>Audience:</b>	Teacher
<b>Edition:</b>	Second Edition		
<b>Year:</b>	2010		
<b>Pagination:</b>	240 p.		
<b>ISBN:</b>	978-0-8077-5313-2		
<b>Format:</b>	Print		
<b>Publisher:</b>	Teachers College Press	<b>Date Recommended:</b>	July 11, 2014
<b>Distributor:</b>	Nelson Education Ltd.		

### *Subject/Grade*

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

The resource outlines the elements that are necessary to differentiate instruction in mathematics regarding big ideas, choice, and assessment. Mathematical concepts are introduced through big ideas (*Big Ideas from Marian Small*) which are integrated through the math process of problem solving, reasoning, communication and connections.

The resource outlines two specific strategies for differentiating mathematics in any strand: open questions and parallel tasks. There are nearly 300 questions and tasks organized in grade level bands that teachers can adapt in the Kindergarten to Grade 8 classroom. In addition, teaching tips, sidebars and organizing templates are included to help teachers build their own new parallel tasks and open questions. The questions tie to the big ideas and let students explore math concepts at their readiness level. The content is not developed sequentially and the questions can be used to match instructional goals. The questions can be adapted to meet curriculum outcomes for students that are at different levels in their mathematical knowledge. The resource is based on research that author Marian Small has completed on the development of math concepts.

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## *Guided Math*

**Publisher :** Shell Education

### *Subject/Grade*

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

*Guided Math* provides a framework for mathematics instruction that promotes differentiation and meets the needs of all students. It uses a balanced numeracy approach that builds on the 7 processes across all strands and includes the use of manipulatives, inquiry, conferencing and small group instruction. Guided Math mirrors the approaches of Guided Reading.

## **Guided Math: A Framework for Mathematics Instruction**

**Author(s):** Laney Sammons  
**Edition:** First Edition  
**Year:** 2009  
**Pagination:** 264 p.  
**ISBN:** 978-1-4258-0534-0  
**Format:** Print

**Audience:** Teacher  
**Suggested Use(s):** Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand

**Publisher:** Shell Education  
**Distributor:** Nelson Education Ltd.  
**Date Recommended:** July 11, 2014

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## Strategies for Implementing Guided Math

<b>Author(s):</b>	Laney Sammons	<b>Audience:</b>	Teacher
<b>Edition:</b>	First Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2012		
<b>Pagination:</b>	344 p.		
<b>ISBN:</b>	978-1-4258-0531-9		
<b>Format:</b>	Print		
<b>Publisher:</b>	Shell Education	<b>Date Recommended:</b>	July 11, 2014
<b>Distributor:</b>	Nelson Education Ltd.		

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## *Hands-On, A Minds-On Approach*

**Publisher :** Portage & Main Press

### *Subject / Grade*

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

*Hands-On Problem Solving* is a rich resource that applies a combination of mathematical knowledge, tools, and strategies to explore a variety of methods for solving and confirming students' solutions.

This individually graded teacher resource with black line masters includes routine and non-routine problem solving activities, correlation charts linking math lessons to concepts, tasks for specific outcomes, cross-curricular connections, materials lists and assessment suggestions.

Hands-On Problem Solving promotes the seven processes of the Manitoba math curriculum which are communication connections, reasoning, problem solving, mental math and estimation, visualization, and technology.

It is user friendly and allows for differentiation with extension activities in all math strands. It provides background information for teachers and instructional strategies that allow students to communicate their thinking.

## Hands-On Problem Solving Grade 1

<b>Author(s):</b>	Jennifer Lawson	<b>Audience:</b>	Teacher, Student
<b>Edition:</b>	1st	<b>Suggested Use(s):</b>	Science, Social Studies, Visual Arts, English Language Arts, Physical
<b>Year:</b>	2012		

**Pagination:** 256 p  
**ISBN:** 978-155379-338-0  
**Format:** Print

**Publisher:** Portage & Main Press  
**Distributor:**

**Audience:** Education, Health Education, Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand

**Date Recommended:** July 11, 2014

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## Hands-On Problem Solving Grade 2

**Author(s):** Jennifer Lawson  
**Edition:** 1st  
**Year:** 2012  
**Pagination:** 298  
**ISBN:** 978-155379-345-8  
**Format:** Print

**Audience:** Teacher, Student  
**Suggested Use(s):** Science, Social Studies, Visual Arts, English Language Arts, Physical Education, Health Education, Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand

**Publisher:** Portage & Main Press  
**Date Recommended:** July 11, 2014

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## Hands-On Problem Solving Grade 3

**Author(s):** Jennifer Lawson  
**Edition:** 1st  
**Year:** 2012  
**Pagination:** 268 p  
**ISBN:** 978-155379-346-5  
**Format:** Print

**Audience:** Student, Teacher  
**Suggested Use(s):** Science, Social Studies, English Language Arts, Physical Education, Health Education, Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand

**Publisher:** Portage & Main Press  
**Date Recommended:** July 11, 2014

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## Hands-On Problem Solving Grade 4

**Author(s):** Jennifer Lawson  
**Edition:** 1st  
**Year:** 2012  
**Pagination:** 274 p

**Audience:** Student, Teacher  
**Suggested Use(s):** Science, Social Studies, English Language Arts, Physical Education, Health Education, Number

**ISBN:** 978-155379-348-9  
**Format:** Print

Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand

**Publisher:** Portage & Main Press

**Date Recommended:** July 11, 2014

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## *JUMP Math*

**Publisher :** Jump Math

### *Subject / Grade*

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

*JUMP Math* is comprised of a series of grade level workbooks, teacher's guides and evaluation materials. It is a grade 1 to 8 procedurally based collection of exercises that utilizes guided practice and continuous assessment. This resource is best used as a reinforcement of basic skills and opportunity for practice.

Each grade level has a student workbook that is consumable and would need to be replaced each year. The workbook is accompanied by a teachers' guide that comes with scripted lessons, extension questions, repeated practice and games. The student materials are text based with some black and white images and diagrams.

The seven processes of the Manitoba Mathematics Curriculum are not fully addressed in the resource. Teachers will need to supplement some sections in order to fully address the Manitoba Curriculum.

**Caution:** *JUMP Math* includes some content that is beyond the Manitoba curriculum expectation at the grade level of the workbook or teachers' guide.

### **JUMP Math: 1.1: Assessment & Practice: Part 1 of 2**

**Author(s):** John Mighton, Sindi Sabourin, Anna Klebanov

**Edition:** 2009 Edition

**Year:** 2009

**Pagination:** 196 p

**ISBN:** 978-1-897120-62-0

**Format:** Print

**Audience:** Student

**Suggested Use(s):** Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand

**Publisher:** Jump Math

**Date Recommended:** September 03, 2014

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## JUMP Math: 1.2: Assessment & Practice: Part 2 of 2

<b>Author(s):</b>	John Mighton, Sindi Sabourin, Anna Klebanov	<b>Audience:</b>	Student
<b>Edition:</b>	2009 Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2009		
<b>Pagination:</b>	218 p		
<b>ISBN:</b>	978-1-897120-63-7		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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## JUMP Math: 1: Teacher Resources

<b>Author(s):</b>	John Mighton, Sindi Sabourin, Anna Klebanov	<b>Audience:</b>	Teacher
<b>Edition:</b>	2009 Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2010		
<b>Pagination:</b>	unp.		
<b>ISBN:</b>	978-1-897120-64-4		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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## JUMP Math: 2.1: Assessment & Practice: Part 1 of 2

<b>Author(s):</b>	John Mighton, Sindi Sabourin, Anna Klebanov	<b>Audience:</b>	Student
<b>Edition:</b>	2009 Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2009		
<b>Pagination:</b>	216 p		
<b>ISBN:</b>	978-1-897120-65-1		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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## JUMP Math: 2.2: Assessment & Practice: Part 2 of 2

<b>Author(s):</b>	John Mighton, Sindi Sabourin, Anna Klebanov	<b>Audience:</b>	Student
<b>Edition:</b>	2009 Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2009		
<b>Pagination:</b>	218 p		
<b>ISBN:</b>	978-1-897120-66-8		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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## JUMP Math: 2: Teacher Resources

<b>Author(s):</b>	John Mighton, Sindi Sabourin, Anna Klebanov	<b>Audience:</b>	Teacher
<b>Edition:</b>	2009 Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2010		
<b>Pagination:</b>	unp.		
<b>ISBN:</b>	978-1-897120-67-5		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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## JUMP Math: 3.1: Assessment & Practice: Part 1 of 2

<b>Author(s):</b>	John Mighton, Sindi Sabourin, Anna Klebanov	<b>Audience:</b>	Student
<b>Edition:</b>	2009 Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2009		
<b>Pagination:</b>	174 p		
<b>ISBN:</b>	978-1-897120-68-2		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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## JUMP Math: 3.2: Assessment & Practice: Part 2 of 2

<b>Author(s):</b>	John Mighton, Sindi Sabourin, Anna Klebanov	<b>Audience:</b>	Student
<b>Edition:</b>	2009 Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2009		
<b>Pagination:</b>	176 to 350		
<b>ISBN:</b>	978-1-897120-69-9		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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## JUMP Math: 3: Teacher Resources

<b>Author(s):</b>	John Mighton, Sindi Sabourin, Anna Klebanov	<b>Audience:</b>	Teacher
<b>Edition:</b>	2009 Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2010		
<b>Pagination:</b>	unp.		
<b>ISBN:</b>	978-1-897120-70-5		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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## JUMP Math: 4.1: Assessment & Practice: Part 1 of 2

<b>Author(s):</b>	John Mighton, Sindi Sabourin, Anna Klebanov	<b>Audience:</b>	Student
<b>Edition:</b>	2009 Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2009		
<b>Pagination:</b>	174 p		
<b>ISBN:</b>	978-1-897120-71-2		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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## JUMP Math: 4.2: Assessment & Practice: Part 2 of 2

<b>Author(s):</b>	John Mighton, Sindi Sabourin, Anna	<b>Audience:</b>	Student
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<b>Edition:</b>	Klebanov 2009 Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2009		
<b>Pagination:</b>	175 to 350		
<b>ISBN:</b>	978-1-897120-72-9		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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### **JUMP Math: 4: Teacher Resources**

<b>Author(s):</b>	John Mighton, Sindi Sabourin, Anna Klebanov	<b>Audience:</b>	Teacher
<b>Edition:</b>	2009 Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2009		
<b>Pagination:</b>	unp.		
<b>ISBN:</b>	978-1-897120-73-6		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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### **JUMP Math: Addition with Big Numbers Challenge & Fractions Challenge: Level B: Teacher's Manual**

<b>Author(s):</b>	John Mighton	<b>Audience:</b>	Teacher
<b>Edition:</b>		<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2013		
<b>Pagination:</b>	15 p		
<b>ISBN:</b>	978-1-927457-24-5		
<b>Format:</b>	Print		
<b>Publisher:</b>	Jump Math	<b>Date Recommended:</b>	September 03, 2014

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### **JUMP Math: Addition with Big Numbers Challenge: Level B**

<b>Author(s):</b>	John Mighton	<b>Audience:</b>	Student
<b>Edition:</b>		<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2013		
<b>Pagination:</b>	9 p		
<b>ISBN:</b>	978-1-927457-21-4		

**Format:** Print

**Publisher:** Jump Math

**Date Recommended:** September 03, 2014

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### **JUMP Math: Fractions Challenge: Level B**

**Author(s):** John Mighton

**Audience:** Student

**Edition:**

**Suggested Use(s):** Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand

**Year:** 2013

**Pagination:** 13 p

**ISBN:** 978-1-927457-20-7

**Format:** Print

**Publisher:** Jump Math

**Date Recommended:** September 03, 2014

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### **JUMP Math: Fractions Challenge: Level C**

**Author(s):** John Mighton

**Audience:** Student

**Year:** 2009

**Suggested Use(s):** Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand

**Pagination:** 30 p

**ISBN:** 978-1-927457-22-1

**Format:** Print

**Publisher:** Jump Math

**Date Recommended:** September 03, 2014

**Distributor:**

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### **JUMP Math: Fractions Challenge: Level C & D: Teacher's Manual**

**Author(s):** John Mighton

**Audience:** Teacher

**Year:** 2013

**Suggested Use(s):** Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand

**Pagination:** 62 p

**ISBN:** 978-1-927457-26-9

**Format:** Print

**Publisher:** Jump Math

**Date Recommended:** September 03, 2014

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# Leaps and Bounds Toward Math Understanding

**Publisher :** Nelson Education Ltd.

## Subject/Grade

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

*Leaps and Bounds Toward Math Understanding* is a supplementary resource for students struggling in mathematics, grades 3 to 4. It is designed to assist teachers in providing precise, targeted remediation for students in small groups, or individually.

Based on background knowledge of misconceptions and errors, *Leaps and Bounds* provides ways for teachers to diagnose a student's gaps in knowledge. It then presents carefully sequenced intervention pathways to remediate those gaps.

For each topic and strand a short diagnostic assessment, which can be administered to the whole class, provides a snapshot of what students understand and what they do. Each diagnostic leads to tailored intervention materials that provide differentiated instruction for each student or group of students. These materials are organized into pathways with open-ended and guided interventions. Both interventions are developmentally appropriate and based on knowledge gaps identified through the diagnostic tools in conjunction with the other assessment processes used in the classroom.

## Leaps and Bounds Toward Math Understanding: Grades 3-4 Student Book

<b>Author(s):</b>	Marian Small, Kathy Kubota-Zarivnij, Amy Lin	<b>Audience:</b>	Student
<b>Edition:</b>	1st Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2011		
<b>Pagination:</b>	243 p		
<b>ISBN:</b>	978-0-17-635245-5		
<b>Format:</b>	Print		
<b>Publisher:</b>	Nelson Education Ltd.	<b>Date Recommended:</b>	July 11, 2014

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## Leaps and Bounds Toward Math Understanding: Grades 3-4: DVD

<b>Author(s):</b>	Marian Small, Kathy Kubota-Zarivnij, Amy Lin	<b>Audience:</b>	Student, Teacher
<b>Edition:</b>	1st Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2011		
<b>Pagination:</b>	unp.		

**ISBN:** 9780176512859

**Format:** DVD

**Publisher:** Nelson Education Ltd.

**Date Recommended:** July 11, 2014

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### **Leaps and Bounds Toward Math Understanding: Grades 3-4: Online Teacher's Resource with Whiteboard Interactive Activities**

**Author(s):** Marian Small, Kathy  
Kubota-Zarivnij, Amy Lin

**Audience:** Teacher

**Edition:** 1st Edition

**Suggested Use(s):** Number Strand, Patters  
and Relations Strand,  
Shapes and Space Strand,  
Statistics and Probability  
Strand

**Year:** 2011

**Pagination:** unp.

**ISBN:** 9780176351465

**Format:** Web-Base Resource

**Publisher:** Nelson Education Ltd.

**Date Recommended:** July 11, 2014

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### **Leaps and Bounds Toward Math Understanding: Grades 3-4: Student Resource (CD-ROM)**

**Author(s):** Marian Small, Kathy  
Kubota-Zarivnij, Amy Lin

**Audience:** Student

**Edition:** 1st Edition

**Year:** 2011

**Pagination:** unp.

**ISBN:** 9780176351441

**Format:** CD-ROM

**Publisher:** Nelson Education Ltd.

**Date Recommended:** July 11, 2014

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### **Leaps and Bounds Toward Math Understanding: Grades 3-4: Teacher's Resource**

**Author(s):** Marian Small, Kathy  
Kubota-Zarivnij, Amy Lin

**Audience:** Teacher

**Edition:** 1st Edition

**Suggested Use(s):** Number Strand, Patters  
and Relations Strand,  
Shapes and Space Strand,  
Statistics and Probability  
Strand

**Year:** 2011

**Pagination:** 276 p.

**ISBN:** 978-0-17-615812-5

**Format:** Print

**Publisher:** Nelson Education Ltd.

**Date Recommended:** July 11, 2014

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## Making Math Meaningful to Canadian Students, K-8

**Author(s):** Marian Small

**Audience:** Teacher

**Edition:** Second Edition

**Year:** 2013

**Pagination:** 649 p.

**ISBN:** 978-0-17-650350-5

**Format:** Print

**Publisher:** Nelson Education Ltd.

**Date Recommended:** July 11, 2014

### *Subject/Grade*

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

This resource highlights the elements of good teaching and learning in each chapter. The text provides a comprehensive look at mathematical content across the strands and processes. The new edition includes big ideas, teaching tips, assessment and planning and open activities to engage students in understanding mathematics. The resource includes math topics organized by strand, as well as common errors and misconceptions, and teaching strategies. *Making Math Meaningful* will serve as a valuable reference for teachers who want to understand how students teach mathematics to a diverse student population. It allows teachers to understand how math concepts are developed, how to focus instruction on the big ideas that span the grade levels, assessment and evaluation, and planning instruction. The author also indicates what manipulatives to use and describes how to use them. This text is uniquely Canadian, with samples from Canadian student texts and attention to Canadian curricula.

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## *Mathematics Readers*

**Publisher :** Teacher Created Materials, Inc.

### *Subject/Grade*

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

*The Mathematics Readers* program integrates effective instruction of nonfiction reading –comprehension strategies with mathematical content concepts. Each graded package of short print and picture books can be used in a cross-curricular manner, allowing students to make sense of math within their own world. For all content areas, conceptual understanding, computational fluency, and problem-solving skills are each mutually

reinforcing, influencing performance on such varied tasks as estimation, word problems, and computation.

The teacher's guide provides content summaries and a graded reading level for each book. It also describes pre, during and post math activities, to include diagnostic assessment and final authentic assessment activities. Black line masters are provided in both print and on an accompanying CD. The books have colorful real images, strong math connections, problem solving, clear visuals and glossaries in each book.

**Caution:** This series is American and contains both standard and metric measurement.

### Mathematics Readers: Grade 3: Add-on-Pack

<b>Year:</b>	2008	<b>Audience:</b>	Student
<b>Pagination:</b>	unp.	<b>Suggested Use(s):</b>	Science, Social Studies, Visual Arts, English Language Arts, Physical Education, Health Education, Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>ISBN:</b>	978-1-4333-0600-6		
<b>Format:</b>	Kit		
<b>Publisher:</b>	Teacher Created Materials, Inc.	<b>Date Recommended:</b>	July 11, 2014
<b>Distributor:</b>	Nelson Education Ltd.		

Add-on-Pack includes one copy of each of the student books in the complete kit. Titles are: What are Budgets?, Our Vacation Budget, The World of Trade, My Lemonade Stand, Shaping Our World, Shapes in Art, Shapes Around You, A Tour of New York City, Reading the Newspaper, Collecting Data, At Risk!, Wildlife Scientists, Timing Races, Tracking Time, At The Fire Station, Natural Measures.

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### Mathematics Readers: Grade 3: Complete Kit

<b>Year:</b>	2008	<b>Audience:</b>	Teacher
<b>Pagination:</b>	unp.	<b>Suggested Use(s):</b>	Science, Social Studies, Visual Arts, English Language Arts, Physical Education, Health Education, Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>ISBN:</b>	978-0-743908-17-7		
<b>Format:</b>	Kit		
<b>Publisher:</b>	Teacher Created	<b>Date Recommended:</b>	September 03, 2014



Materials, Inc.

**Distributor:** Nelson Education Ltd.

Complete kit includes 96 student books (16 titles, 6 copies of each), Teacher's Resource Guide, Teacher's Resource CD, 16 Problem Solving Transparencies and Interactive Mathematics Activities CD featuring 8 mathematical games.

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## Mathematics Readers: Grade 4: Add-on-Pack

<b>Year:</b>	2011	<b>Audience:</b>	Student
<b>Pagination:</b>	unp.	<b>Suggested Use(s):</b>	Science, Social Studies, Visual Arts, English Language Arts, Physical Education, Health Education, Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>ISBN:</b>	978-1-4333-0601-3		
<b>Format:</b>	Kit		
<b>Publisher:</b>	Teacher Created Materials, Inc.	<b>Date Recommended:</b>	July 11, 2014
<b>Distributor:</b>	Nelson Education Ltd.		

Add-on-Pack includes one copy of each of the student books in the complete kit. Titles are: The Bread Book, The Bake Sale, Pattern Around Us, Patterns in Nature, Shapes in Our World, Building Houses, Looking at Maps, Journeys: Land Air Sea, Olympic Technology, Animal Investigations, Eco-Predictions, People Who Predict, Natural Disasters, All About Sharks, Life in the Ocean Layers, Hosting the Summer Olympic Games.

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## Mathematics Readers: Grade 4: Complete Kit

<b>Year:</b>	2011	<b>Audience:</b>	Teacher
<b>Pagination:</b>	unp.	<b>Suggested Use(s):</b>	Science, Social Studies, Visual Arts, English Language Arts, Physical Education, Health Education, Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>ISBN:</b>	978-0-7439-0818-4		
<b>Format:</b>	Kit		
<b>Publisher:</b>	Teacher Created Materials, Inc.	<b>Date Recommended:</b>	September 03, 2014
<b>Distributor:</b>	Nelson Education Ltd.		

Complete kit includes 96 student books (16 titles, 6 copies of each), Teacher's Resource Guide, Teacher's Resource CD, 16 Problem Solving Transparencies and Interactive Mathematics Activities CD featuring 8 mathematical games.

## Uncomplicating Algebra to Meet Common Core Standards in Math, K-8

<b>Author(s):</b>	Marian Small	<b>Audience:</b>	Teacher
<b>Edition:</b>	1st Edition	<b>Suggested Use(s):</b>	Number Strand, Patters and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2014		
<b>Pagination:</b>	176 p.		
<b>ISBN:</b>	978-0-8077-5517-4		
<b>Format:</b>	Print		
<b>Publisher:</b>	Teachers College Press	<b>Date Recommended:</b>	July 11, 2014
<b>Distributor:</b>	Nelson Education Ltd.		

### *Subject / Grade*

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

*Uncomplicating Algebra* is useful as a K-5 teacher resource for those looking to build a strong foundation in algebra. It is also useful for grade 6-8 teachers who are preparing their students for higher level algebra. Math Coaches would be interested in this book as it addresses the definition of important underlying ideas of algebra as it relates across the strands.

**Caution:** This material is organized according to U.S Common Core Standards. Teachers should check the Manitoba Curriculum for correct grade level alignment.

## Uncomplicating Fractions to Meet Common Core Standards in Math, K-7

<b>Author(s):</b>	Marian Small	<b>Audience:</b>	Teacher
<b>Edition:</b>	1st Edition	<b>Suggested Use(s):</b>	Number Strand
<b>Year:</b>	2014		
<b>Pagination:</b>	144 p		
<b>ISBN:</b>	978-0-8077-5485-6		
<b>Format:</b>	Print		
<b>Publisher:</b>	Teachers College Press	<b>Date Recommended:</b>	July 11, 2014
<b>Distributor:</b>	Nelson Education Ltd.		

### Subject/Grade

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

*Uncomplicating Fractions* is a teacher resource by Canadian professor Marian Small of New Brunswick, designed to help teach and assess students' learning of fractions. The author first describes the misconceptions that large numbers of students hold about fractions, such as that multiplication always makes numbers larger, or to view numerator and denominator as separate entities. She demonstrates that conceptual as well as procedural understandings are important in teaching students fractions in Kindergarten through grade seven. The book provides teachers with methods to assess students' developmental level of understanding, and then provides appropriate activities to address issues for progress. This is an accessible, practical book that is organized into grade levels with concept based questions that can be used for classroom instruction, practice, or assessment. Some caution should be used as this material is organized according to U.S. Common Core Standards. However, as a teacher resource, teachers can realign outcomes to the MB Curriculum.

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### Visible Thinking in the K-8 Mathematics Classroom

<b>Author(s):</b>	Ted H. Hull, Don S. Balka, Ruth Harbin Miles	<b>Audience:</b>	Teacher
<b>Edition:</b>	First Edition	<b>Suggested Use(s):</b>	Number Strand, Patterns and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2012		
<b>Pagination:</b>	164 p		
<b>ISBN:</b>	9781412992053		
<b>Format:</b>	Print		
<b>Publisher:</b>	Corwin Press	<b>Date Recommended:</b>	July 11, 2014
<b>Distributor:</b>	Nelson Education Ltd.		

### Subject/Grade

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

*Visible Thinking* is a professional development resource that promotes thinking in early and middle years math. It addresses the seven process of the Manitoba Curriculum while providing suggested activities for problem solving collaboratively and actively. Concepts such as number sense, fractions, and estimation are addressed. The authors also explain how students can demonstrate their thinking using on-line tools and calculators. It is a "quick to read" book that provides scenarios to demonstrate how to identify errors in processing/thinking and then provides means to address those errors.

## What's Your Math Problem!?: Getting to the Heart of Teaching Problem Solving

<b>Author(s):</b>	Linda Gojak	<b>Audience:</b>	Teacher
<b>Edition:</b>	First Edition	<b>Suggested Use(s):</b>	English Language Arts, Number Strand, Patterns and Relations Strand, Shapes and Space Strand, Statistics and Probability Strand
<b>Year:</b>	2011		
<b>Pagination:</b>	240 p		
<b>ISBN:</b>	9781426807887		
<b>Format:</b>	Print		
<b>Publisher:</b>	Shell Education	<b>Date Recommended:</b>	July 11, 2014
<b>Distributor:</b>	Nelson Education Ltd.		

### Subject / Grade

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

*What's Your Math Problem* is a teacher resource for problem solving. It offers research, problem solving frameworks, strategies, and formative and summative assessment information. It also addresses engagement and conceptualized learning. Novice and experienced teachers will appreciate the descriptions of the strategies. The author helps readers understand each strategy, shows how to use it effectively, and then gives examples of problems for application.

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# A U D I E N C E

## Student

Eyes on Math: A Visual Approach to Teaching Math Concepts  
Hands-On, A Minds-On Approach

*Hands-On Problem Solving Grade 1*

*Hands-On Problem Solving Grade 2*

*Hands-On Problem Solving Grade 3*

*Hands-On Problem Solving Grade 4*

JUMP Math

*JUMP Math: 1.1: Assessment & Practice: Part 1 of 2*

*JUMP Math: 1.2: Assessment & Practice: Part 2 of 2*

*JUMP Math: 2.1: Assessment & Practice: Part 1 of 2*

*JUMP Math: 2.2: Assessment & Practice: Part 2 of 2*

*JUMP Math: 3.1: Assessment & Practice: Part 1 of 2*

*JUMP Math: 3.2: Assessment & Practice: Part 2 of 2*

*JUMP Math: 4.1: Assessment & Practice: Part 1 of 2*

*JUMP Math: 4.2: Assessment & Practice: Part 2 of 2*

*JUMP Math: Addition with Big Numbers Challenge: Level B*

*JUMP Math: Fractions Challenge: Level B*

*JUMP Math: Fractions Challenge: Level C*

Leaps and Bounds Toward Math Understanding

*Leaps and Bounds Toward Math Understanding: Grades 3-4 Student Book*

*Leaps and Bounds Toward Math Understanding: Grades 3-4: DVD*

*Leaps and Bounds Toward Math Understanding: Grades 3-4: Student Resource (CD-ROM)*

Mathematics Readers

*Mathematics Readers: Grade 3: Add-on-Pack*

*Mathematics Readers: Grade 4: Add-on-Pack*

## Teacher

Big Ideas from Dr. Small

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades 4-8*

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades 4-8: Facilitator's Guide (includes DVD)*

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3*

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3: Facilitator's Guide (included DVD)*

Building Mathematical Comprehension: Using Literacy Strategies to Make Meaning

Eyes on Math: A Visual Approach to Teaching Math Concepts

Good Questions: Great Ways to Differentiate Mathematics Instruction

Guided Math

*Guided Math: A Framework for Mathematics Instruction  
Strategies for Implementing Guided Math*

Hands-On, A Minds-On Approach

*Hands-On Problem Solving Grade 1*

*Hands-On Problem Solving Grade 2*

*Hands-On Problem Solving Grade 3*

*Hands-On Problem Solving Grade 4*

JUMP Math

*JUMP Math: 1: Teacher Resources*

*JUMP Math: 2: Teacher Resources*

*JUMP Math: 3: Teacher Resources*

*JUMP Math: 4: Teacher Resources*

*JUMP Math: Addition with Big Numbers Challenge & Fractions Challenge: Level B: Teacher's Manual*

*JUMP Math: Fractions Challenge: Level C & D: Teacher's Manual*

Leaps and Bounds Toward Math Understanding

*Leaps and Bounds Toward Math Understanding: Grades 3-4: DVD*

*Leaps and Bounds Toward Math Understanding: Grades 3-4: Online Teacher's Resource with Whiteboard Interactive Activities*

*Leaps and Bounds Toward Math Understanding: Grades 3-4: Teacher's Resource*

Making Math Meaningful to Canadian Students, K-8

Mathematics Readers

*Mathematics Readers: Grade 3: Complete Kit*

*Mathematics Readers: Grade 4: Complete Kit*

Uncomplicating Algebra to Meet Common Core Standards in Math, K-8

Uncomplicating Fractions to Meet Common Core Standards in Math, K-7

Visible Thinking in the K-8 Mathematics Classroom

What's Your Math Problem!?: Getting to the Heart of Teaching Problem Solving

# GRADE

## Kindergarten

Big Ideas from Dr. Small

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3*

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3: Facilitator's Guide (included DVD)*

Building Mathematical Comprehension: Using Literacy Strategies to Make Meaning

Eyes on Math: A Visual Approach to Teaching Math Concepts

Making Math Meaningful to Canadian Students, K-8

Uncomplicating Algebra to Meet Common Core Standards in Math, K-8

Uncomplicating Fractions to Meet Common Core Standards in Math, K-7

Visible Thinking in the K-8 Mathematics Classroom

What's Your Math Problem!?!: Getting to the Heart of Teaching Problem Solving

## Grade 1

Big Ideas from Dr. Small

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3*

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3: Facilitator's Guide (included DVD)*

Building Mathematical Comprehension: Using Literacy Strategies to Make Meaning

Eyes on Math: A Visual Approach to Teaching Math Concepts

Hands-On, A Minds-On Approach

*Hands-On Problem Solving Grade 1*

JUMP Math

*JUMP Math: 1.1: Assessment & Practice: Part 1 of 2*

*JUMP Math: 1.2: Assessment & Practice: Part 2 of 2*

*JUMP Math: 1: Teacher Resources*

Making Math Meaningful to Canadian Students, K-8

Uncomplicating Algebra to Meet Common Core Standards in Math, K-8

Uncomplicating Fractions to Meet Common Core Standards in Math, K-7

Visible Thinking in the K-8 Mathematics Classroom

What's Your Math Problem!?!: Getting to the Heart of Teaching Problem Solving

## Grade 2

Big Ideas from Dr. Small

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3*

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3: Facilitator's Guide (included DVD)*

Building Mathematical Comprehension: Using Literacy Strategies to Make Meaning  
Eyes on Math: A Visual Approach to Teaching Math Concepts  
Good Questions: Great Ways to Differentiate Mathematics Instruction  
Hands-On, A Minds-On Approach  
*Hands-On Problem Solving Grade 2*  
JUMP Math  
*JUMP Math: 2.1: Assessment & Practice: Part 1 of 2*  
*JUMP Math: 2.2: Assessment & Practice: Part 2 of 2*  
*JUMP Math: 2: Teacher Resources*  
*JUMP Math: Addition with Big Numbers Challenge & Fractions Challenge: Level B: Teacher's Manual*  
*JUMP Math: Addition with Big Numbers Challenge: Level B*  
*JUMP Math: Fractions Challenge: Level B*  
Making Math Meaningful to Canadian Students, K-8  
Uncomplicating Algebra to Meet Common Core Standards in Math, K-8  
Uncomplicating Fractions to Meet Common Core Standards in Math, K-7  
Visible Thinking in the K-8 Mathematics Classroom  
What's Your Math Problem!?!: Getting to the Heart of Teaching Problem Solving

### **Grade 3**

Big Ideas from Dr. Small  
*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3*  
*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades K-3: Facilitator's Guide (included DVD)*  
Building Mathematical Comprehension: Using Literacy Strategies to Make Meaning  
Eyes on Math: A Visual Approach to Teaching Math Concepts  
Good Questions: Great Ways to Differentiate Mathematics Instruction  
Guided Math  
*Guided Math: A Framework for Mathematics Instruction*  
*Strategies for Implementing Guided Math*  
Hands-On, A Minds-On Approach  
*Hands-On Problem Solving Grade 3*  
JUMP Math  
*JUMP Math: 3.1: Assessment & Practice: Part 1 of 2*  
*JUMP Math: 3.2: Assessment & Practice: Part 2 of 2*  
*JUMP Math: 3: Teacher Resources*  
*JUMP Math: Fractions Challenge: Level C*  
*JUMP Math: Fractions Challenge: Level C & D: Teacher's Manual*  
Leaps and Bounds Toward Math Understanding  
*Leaps and Bounds Toward Math Understanding: Grades 3-4 Student Book*



*Leaps and Bounds Toward Math Understanding: Grades 3-4: DVD*  
*Leaps and Bounds Toward Math Understanding: Grades 3-4: Online Teacher's Resource with Whiteboard Interactive Activities*  
*Leaps and Bounds Toward Math Understanding: Grades 3-4: Student Resource (CD-ROM)*  
*Leaps and Bounds Toward Math Understanding: Grades 3-4: Teacher's Resource*

Making Math Meaningful to Canadian Students, K-8

Mathematics Readers

*Mathematics Readers: Grade 3: Add-on-Pack*

*Mathematics Readers: Grade 3: Complete Kit*

Uncomplicating Algebra to Meet Common Core Standards in Math, K-8

Uncomplicating Fractions to Meet Common Core Standards in Math, K-7

Visible Thinking in the K-8 Mathematics Classroom

What's Your Math Problem!?!: Getting to the Heart of Teaching Problem Solving

## **Grade 4**

Big Ideas from Dr. Small

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades 4-8*

*Big Ideas from Dr. Small: Creating a Comfort Zone for Teaching Mathematics: Grades 4-8: Facilitator's Guide (includes DVD)*

Building Mathematical Comprehension: Using Literacy Strategies to Make Meaning

Eyes on Math: A Visual Approach to Teaching Math Concepts

Good Questions: Great Ways to Differentiate Mathematics Instruction

Guided Math

*Guided Math: A Framework for Mathematics Instruction*

*Strategies for Implementing Guided Math*

Hands-On, A Minds-On Approach

*Hands-On Problem Solving Grade 4*

JUMP Math

*JUMP Math: 4.1: Assessment & Practice: Part 1 of 2*

*JUMP Math: 4.2: Assessment & Practice: Part 2 of 2*

*JUMP Math: 4: Teacher Resources*

*JUMP Math: Fractions Challenge: Level C*

*JUMP Math: Fractions Challenge: Level C & D: Teacher's Manual*

Leaps and Bounds Toward Math Understanding

*Leaps and Bounds Toward Math Understanding: Grades 3-4 Student Book*

*Leaps and Bounds Toward Math Understanding: Grades 3-4: DVD*

*Leaps and Bounds Toward Math Understanding: Grades 3-4: Online Teacher's Resource with Whiteboard Interactive Activities*

*Leaps and Bounds Toward Math Understanding: Grades 3-4: Student*

*Resource (CD-ROM)*

*Leaps and Bounds Toward Math Understanding: Grades 3-4: Teacher's Resource*

Making Math Meaningful to Canadian Students, K-8

Mathematics Readers

*Mathematics Readers: Grade 4: Add-on-Pack*

*Mathematics Readers: Grade 4: Complete Kit*

Uncomplicating Algebra to Meet Common Core Standards in Math, K-8

Uncomplicating Fractions to Meet Common Core Standards in Math, K-7

Visible Thinking in the K-8 Mathematics Classroom

What's Your Math Problem!?!: Getting to the Heart of Teaching Problem Solving

# SUGGESTED USE

## English Language Arts

Building Mathematical Comprehension: Using Literacy Strategies to Make Meaning

Hands-On, A Minds-On Approach

*Hands-On Problem Solving Grade 1*

*Hands-On Problem Solving Grade 2*

*Hands-On Problem Solving Grade 3*

*Hands-On Problem Solving Grade 4*

Mathematics Readers

*Mathematics Readers: Grade 3: Add-on-Pack*

*Mathematics Readers: Grade 3: Complete Kit*

*Mathematics Readers: Grade 4: Add-on-Pack*

*Mathematics Readers: Grade 4: Complete Kit*

What's Your Math Problem!?!: Getting to the Heart of Teaching Problem Solving

## Health Education

Hands-On, A Minds-On Approach

*Hands-On Problem Solving Grade 1*

*Hands-On Problem Solving Grade 2*

*Hands-On Problem Solving Grade 3*

*Hands-On Problem Solving Grade 4*

Mathematics Readers

*Mathematics Readers: Grade 3: Add-on-Pack*

*Mathematics Readers: Grade 3: Complete Kit*

*Mathematics Readers: Grade 4: Add-on-Pack*

*Mathematics Readers: Grade 4: Complete Kit*

## Mathematics: Number Strand

Eyes on Math: A Visual Approach to Teaching Math Concepts

Guided Math

*Guided Math: A Framework for Mathematics Instruction*

*Strategies for Implementing Guided Math*

Hands-On, A Minds-On Approach

*Hands-On Problem Solving Grade 1*

*Hands-On Problem Solving Grade 2*

*Hands-On Problem Solving Grade 3*

*Hands-On Problem Solving Grade 4*

JUMP Math

*JUMP Math: 1.1: Assessment & Practice: Part 1 of 2*

*JUMP Math: 1.2: Assessment & Practice: Part 2 of 2*

*JUMP Math: 1: Teacher Resources*  
*JUMP Math: 2.1: Assessment & Practice: Part 1 of 2*  
*JUMP Math: 2.2: Assessment & Practice: Part 2 of 2*  
*JUMP Math: 2: Teacher Resources*  
*JUMP Math: 3.1: Assessment & Practice: Part 1 of 2*  
*JUMP Math: 3.2: Assessment & Practice: Part 2 of 2*  
*JUMP Math: 3: Teacher Resources*  
*JUMP Math: 4.1: Assessment & Practice: Part 1 of 2*  
*JUMP Math: 4.2: Assessment & Practice: Part 2 of 2*  
*JUMP Math: 4: Teacher Resources*  
*JUMP Math: Addition with Big Numbers Challenge & Fractions Challenge: Level B: Teacher's Manual*  
*JUMP Math: Addition with Big Numbers Challenge: Level B*  
*JUMP Math: Fractions Challenge: Level B*  
*JUMP Math: Fractions Challenge: Level C*  
*JUMP Math: Fractions Challenge: Level C & D: Teacher's Manual*

Leaps and Bounds Toward Math Understanding

*Leaps and Bounds Toward Math Understanding: Grades 3-4 Student Book*  
*Leaps and Bounds Toward Math Understanding: Grades 3-4: DVD*  
*Leaps and Bounds Toward Math Understanding: Grades 3-4: Online Teacher's Resource with Whiteboard Interactive Activities*  
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Mathematics Readers

*Mathematics Readers: Grade 3: Add-on-Pack*  
*Mathematics Readers: Grade 3: Complete Kit*  
*Mathematics Readers: Grade 4: Add-on-Pack*  
*Mathematics Readers: Grade 4: Complete Kit*

Uncomplicating Algebra to Meet Common Core Standards in Math, K-8

Uncomplicating Fractions to Meet Common Core Standards in Math, K-7

Visible Thinking in the K-8 Mathematics Classroom

What's Your Math Problem!?!: Getting to the Heart of Teaching Problem Solving

**Mathematics: Patters and Relations Strand**

Eyes on Math: A Visual Approach to Teaching Math Concepts

Guided Math

*Guided Math: A Framework for Mathematics Instruction*  
*Strategies for Implementing Guided Math*

Hands-On, A Minds-On Approach

*Hands-On Problem Solving Grade 1*  
*Hands-On Problem Solving Grade 2*  
*Hands-On Problem Solving Grade 3*

*Hands-On Problem Solving Grade 4*

JUMP Math

*JUMP Math: 1.1: Assessment & Practice: Part 1 of 2*

*JUMP Math: 1.2: Assessment & Practice: Part 2 of 2*

*JUMP Math: 1: Teacher Resources*

*JUMP Math: 2.1: Assessment & Practice: Part 1 of 2*

*JUMP Math: 2.2: Assessment & Practice: Part 2 of 2*

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*JUMP Math: Addition with Big Numbers Challenge: Level B*

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**Mathematics: Shapes and Space Strand**

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### **Mathematics: Statistics and Probability Strand**

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## Physical Education

Hands-On, A Minds-On Approach

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## Science

Hands-On, A Minds-On Approach

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## Social Studies

Hands-On, A Minds-On Approach

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## Visual Arts

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