

Additional Support Resources: Kindergarten to Grade 9 Mathematics

Alberta Education has developed the following list of resources in collaboration with teachers and administrators throughout Alberta to further support the teaching and learning of basics related to number facts, or number operations, or to support a variety of learning and teaching approaches for the Mathematics Kindergarten to Grade 9 Program of Studies. These resources are not part of Alberta Education's Authorized Resource List but are additional support resources for teachers to consider using in their classrooms. This list is updated on an ongoing basis.

Alberta Education does not advocate any one method of teaching over another. Teachers use their professional judgement and knowledge to select the most appropriate resources and methods of teaching that best meet the needs of their students.

The resources in this list have been reviewed by Alberta Education for [Recognizing Diversity and Promoting Respect](#) (RDPR) appropriateness (see Note 1 below regarding resources marked with a superscripted ❶). Curriculum congruency for each resource was provided by publishers and/or external partners. The contents of this list do not reflect the views, opinions, and/or endorsement of Alberta Education. Teachers may wish to review the [list of authorized resources](#), as well as resources available digitally from [LearnAlberta.ca](#).

For more information regarding mathematics resources, contact Jan Olson, Senior Manager, Mathematics K–9 (English), at 780-427-3588 or Diane Stobbe, Senior Manager, Mathematics K–12 (French), at 780-427-7489. To be connected toll-free inside Alberta to either of these contacts, dial 310-0000.

Note:

- 1. For those digital resources noted with a superscripted ❶, only a portion of the components/links was reviewed for RDPR because of the nature of digital resources. In addition, digital content may have changed since the review. Teachers should independently confirm that resources are acceptable prior to use.**
- 2. For those resources noted with a superscripted ❷, not all components of the resource correlate to the Alberta Mathematics Kindergarten to Grade 9 Program of Studies for that particular grade. Teachers should independently confirm that resources are acceptable for their grade prior to use.**

Kindergarten	Date Added to List
IXL <ul style="list-style-type: none"> • Fewer, more and same ¹ 	August 2015
Learn 360 <ul style="list-style-type: none"> • Pile Driver ¹ (video) 	August 2015
Discovery Education <ul style="list-style-type: none"> • Learning about Sorting and Grouping ¹ • The Number Crew: Shape Sorting ¹ • Real People Real Math: Birthday Bash ¹ 	November 2015
Power of Ten <ul style="list-style-type: none"> • Learning to Find the Teachable Moments K–3 (CD and print) ² 	November 2015
Pearson Education <ul style="list-style-type: none"> • SuccessMaker ^{1 2} 	February 2016
Nelson Education <ul style="list-style-type: none"> • Good Questions: Great Ways to Differentiate Mathematics Instruction ² • Eyes on Math ² 	August 2016
Saxon Publishers Inc. <ul style="list-style-type: none"> • Saxon Math Grade K Kit ² 	August 2016
3P Learning <ul style="list-style-type: none"> • Mathletics ^{1 2} 	June 2017
Bound2Learn Inc. <ul style="list-style-type: none"> • StrADDEgy ¹ 	June 2017
ORIGO Education <ul style="list-style-type: none"> • Book of Facts: Addition ² • Book of Facts: Subtraction ² • The Box of Facts: Addition and Subtraction ² 	June 2017
Portage & Main Press <ul style="list-style-type: none"> • Powwow Counting in Cree 	June 2017

Grade 1	Date Added to List
DreamBox Learning <ul style="list-style-type: none"> • First Grade Number Sense and Equivalence ¹ 	August 2015
JUMP Math <ul style="list-style-type: none"> • Teacher Resource 1.1 ² • Teacher Resource 1.2 ² • Assessment & Practice 1.1 ² • Assessment & Practice 1.2 ² 	August 2015
Learn 360 <ul style="list-style-type: none"> • Pile Driver ¹ (video) 	August 2015
Discovery Education <ul style="list-style-type: none"> • Learning about Sorting and Grouping ¹ • The Number Crew: Shape Sorting ¹ • Real People Real Math: Birthday Bash ¹ 	November 2015
Power of Ten <ul style="list-style-type: none"> • Learning to Find the Teachable Moments K–3 (CD and print) ² 	November 2015
Pearson Education <ul style="list-style-type: none"> • SuccessMaker ¹ ² 	February 2016
Nelson Education Leaps and Bounds : Toward Math Understanding 1/2 ² <ul style="list-style-type: none"> • Teacher’s Resource • Activity Cards 	May 2016
Portage & Main Press <ul style="list-style-type: none"> • Thinking Strategies: Addition • Thinking Strategies: Subtraction • Thinking Strategies: Multiplication • Thinking Strategies: Division 	May 2016
Nelson Education <ul style="list-style-type: none"> • Good Questions: Great Ways to Differentiate Mathematics Instruction ² • Eyes on Math ² 	August 2016

Grade 1 Continued	Date Added to List
Saxon Publishers Inc. <ul style="list-style-type: none"> • Saxon Math Grade 1 Kit ² 	August 2016
3P Learning <ul style="list-style-type: none"> • Mathletics ^{1 2} 	June 2017
Bound2Learn Inc. <ul style="list-style-type: none"> • StrADDEgy ¹ 	June 2017
ORIGO Education <ul style="list-style-type: none"> • Book of Facts: Addition ² • Book of Facts: Subtraction ² • The Box of Facts: Addition and Subtraction ² 	June 2017
Portage & Main Press <ul style="list-style-type: none"> • Hands-On Mathematics: Number Concepts and Operations, Grade 1 ² • Hands-On Problem Solving, Grade 1 – A Minds-On Approach ² 	June 2017

Grade 2	Date Added to List
DreamBox Learning <ul style="list-style-type: none"> • Second Grade Number Sense and Equivalence ¹ 	August 2015
<u>JUMP Math</u> <ul style="list-style-type: none"> • Teacher Resource 2.1 ² • Teacher Resource 2.2 ² • Assessment & Practice 2.1 ² • Assessment & Practice 2.2 ² 	August 2015
Learn 360 <ul style="list-style-type: none"> • Pile Driver ¹ (video) 	August 2015
Discovery Education <ul style="list-style-type: none"> • Learning about Sorting and Grouping ¹ • The Number Crew: Shape Sorting ¹ • Real People Real Math: Birthday Bash ¹ 	November 2015
<u>Power of Ten</u> <ul style="list-style-type: none"> • Learning to Find the Teachable Moments K–3 (CD and print) ² 	November 2015
Pearson Education <ul style="list-style-type: none"> • SuccessMaker ¹ ² 	February 2016
Nelson Education <p>Leaps and Bounds: Toward Math Understanding 1/2 ²</p> <ul style="list-style-type: none"> • Teacher’s Resource • Activity Cards 	May 2016
Portage & Main Press <ul style="list-style-type: none"> • Thinking Strategies: Addition • Thinking Strategies: Subtraction • Thinking Strategies: Multiplication • Thinking Strategies: Division 	May 2016

Grade 2 Continued	Date Added to List
<p>Nelson Education</p> <ul style="list-style-type: none"> • Good Questions: Great Ways to Differentiate Mathematics Instruction ² • Eyes on Math ² 	August 2016
<p>Saxon Publishers Inc.</p> <ul style="list-style-type: none"> • Saxon Math Grade 2 Kit ² 	August 2016
<p>3P Learning</p> <ul style="list-style-type: none"> • Mathletics ^{1 2} 	June 2017
<p>Bound2Learn Inc.</p> <ul style="list-style-type: none"> • StrADDEgy ¹ 	June 2017
<p>ORIGO Education</p> <ul style="list-style-type: none"> • Book of Facts: Addition ² • Book of Facts: Subtraction ² • The Box of Facts: Addition and Subtraction ² 	June 2017
<p>Portage & Main Press</p> <ul style="list-style-type: none"> • Hands-On Mathematics: Number Concepts, Grade 2 ² • Hands-On Mathematics: Number Operations, Grade 2 ² • Hands-On Problem Solving, Grade 2 – A Minds-On Approach ² 	June 2017

Grade 3	Date Added to List
<p><u>JUMP Math</u></p> <ul style="list-style-type: none"> • Teacher Resource 3.1 ² • Teacher Resource 3.2 ² • Assessment & Practice 3.1 ² • Assessment & Practice 3.2 ² 	August 2015
<p>Learn 360</p> <ul style="list-style-type: none"> • Pile Driver ¹ (video) • Math Monsters – Data Collection ¹ (video) 	August 2015
<p>Discovery Education</p> <ul style="list-style-type: none"> • Learning about Sorting and Grouping ¹ • The Number Crew: Shape Sorting ¹ • Real People Real Math: Birthday Bash ¹ 	November 2015
<p>Nelson Education</p> <p>Leaps and Bounds: Toward Math Understanding 3/4 ²</p> <ul style="list-style-type: none"> • Student Resource • Teacher’s Resource • Teacher’s Resource DVD 	November 2015
<p><u>Power of Ten</u></p> <ul style="list-style-type: none"> • Learning to Find the Teachable Moments K–3 (CD and print) ² 	November 2015
<p>Pearson Education</p> <ul style="list-style-type: none"> • SuccessMaker ^{1 2} 	February 2016
<p>Portage & Main Press</p> <ul style="list-style-type: none"> • Thinking Strategies: Addition • Thinking Strategies: Subtraction • Thinking Strategies: Multiplication • Thinking Strategies: Division 	May 2016
<p>Nelson Education</p> <ul style="list-style-type: none"> • Good Questions: Great Ways to Differentiate Mathematics Instruction ² • Eyes on Math ² 	August 2016
<p><u>Netmath</u> ¹</p>	August 2016

Grade 3 Continued	Date Added to List
Saxon Publishers Inc.	August 2016
<ul style="list-style-type: none"> • Saxon Math Grade 3 Kit ² 	
3P Learning	June 2017
<ul style="list-style-type: none"> • Mathletics ^{1 2} 	
Bound2Learn Inc.	June 2017
<ul style="list-style-type: none"> • StrADDegy ¹ 	
ORIGO Education	June 2017
<ul style="list-style-type: none"> • Book of Facts: Addition ² • Book of Facts: Subtraction ² • Book of Facts: Multiplication ² • Book of Facts: Division ² • The Box of Facts: Addition and Subtraction ² • The Box of Facts: Multiplication and Division ² 	
Portage & Main Press	June 2017
<ul style="list-style-type: none"> • Hands-On Mathematics: Number Concepts, Grade 3 ² • Hands-On Mathematics: Number Operations, Grade 3 ² • Hands-On Problem Solving, Grade 3 – A Minds-On Approach ² 	

Grade 4	Date Added to List
<p><u>JUMP Math</u></p> <ul style="list-style-type: none"> • Teacher Resource 4.1 ² • Teacher Resource 4.2 ² • Assessment & Practice 4.1 ² • Assessment & Practice 4.2 ² 	August 2015
<p>Nelson Education</p> <p><u>Leaps and Bounds</u>: Toward Math Understanding 3/4 ²</p> <ul style="list-style-type: none"> • Student Resource • Teacher’s Resource • Teacher’s Resource DVD 	November 2015
<p>Pearson Education</p> <ul style="list-style-type: none"> • <u>SuccessMaker</u> ^{1 2} 	February 2016
<p>Portage & Main Press</p> <ul style="list-style-type: none"> • <u>Thinking Strategies: Addition</u> • <u>Thinking Strategies: Subtraction</u> • <u>Thinking Strategies: Multiplication</u> • <u>Thinking Strategies: Division</u> 	May 2016
<p>Nelson Education</p> <ul style="list-style-type: none"> • <u>Good Questions: Great Ways to Differentiate Mathematics Instruction</u> ² • <u>Eyes on Math</u> ² 	August 2016
<p><u>Netmath</u> ¹</p>	August 2016
<p>Saxon Publishers Inc.</p> <ul style="list-style-type: none"> • <u>Saxon Math</u> Grade 4 Kit ² 	August 2016
<p>3P Learning</p> <ul style="list-style-type: none"> • <u>Mathletics</u> ^{1 2} 	June 2017
<p>Nelson</p> <ul style="list-style-type: none"> • <u>From Patterns to Algebra</u> 	June 2017

Grade 4 Continued	Date Added to List
ORIGO Education	June 2017
<ul style="list-style-type: none"> • Book of Facts: Multiplication ² • Book of Facts: Division ² • The Box of Facts: Multiplication and Division ² 	
Portage & Main Press	June 2017
<ul style="list-style-type: none"> • Hands-On Mathematics: Number Concepts, Grade 4 ² • Hands-On Mathematics: Number Operations, Grade 4 ² • Hands-On Problem Solving, Grade 4 – A Minds-On Approach ² 	

Grade 5	Date Added to List
<u>JUMP Math</u> <ul style="list-style-type: none"> • Teacher Resource 5.1 ² • Teacher Resource 5.2 ² • Assessment & Practice 5.1 ² • Assessment & Practice 5.2 ² 	August 2015
<u>Probability Toolkit</u> ¹	August 2015
<u>Symmetry Shuffle</u> ¹	August 2015
<u>Zentomino</u> ¹	August 2015
Nelson Education <u>Leaps and Bounds: Toward Math Understanding 5/6</u> ² <ul style="list-style-type: none"> • Student Resource • Teacher's Resource • Teacher's Resource DVD 	November 2015
Pearson Education <ul style="list-style-type: none"> • <u>SuccessMaker</u> ^{1 2} 	February 2016
Portage & Main Press <ul style="list-style-type: none"> • <u>Thinking Strategies: Addition</u> • <u>Thinking Strategies: Subtraction</u> • <u>Thinking Strategies: Multiplication</u> • <u>Thinking Strategies: Division</u> 	May 2016
Nelson Education <ul style="list-style-type: none"> • <u>Good Questions: Great Ways to Differentiate Mathematics Instruction</u> ² • <u>Eyes on Math</u> ² 	August 2016
<u>Netmath</u> ¹	August 2016
Saxon Publishers Inc. <ul style="list-style-type: none"> • <u>Saxon Math</u> Grade 5 Kit ² 	August 2016
3P Learning <ul style="list-style-type: none"> • <u>Mathletics</u> ^{1 2} 	June 2017

Grade 5 Continued	Date Added to List
ORIGO Education	June 2017
<ul style="list-style-type: none"> • Book of Facts: Multiplication ² • Book of Facts: Division ² • The Box of Facts: Multiplication and Division ² 	
Nelson	June 2017
<ul style="list-style-type: none"> • From Patterns to Algebra 	
Portage & Main Press	June 2017
<ul style="list-style-type: none"> • Hands-On Problem Solving, Grade 5 – A Minds-On Approach ² 	

Grade 6	Date Added to List
<u>JUMP Math</u> <ul style="list-style-type: none"> • Teacher Resource 6.1 ² • Teacher Resource 6.2 ² • Assessment & Practice 6.1 ² • Assessment & Practice 6.2 ² 	August 2015
<u>Probability Toolkit</u> ¹	August 2015
<u>Symmetry Shuffle</u> ¹	August 2015
<u>Zentomino</u> ¹	August 2015
Nelson Education <u>Leaps and Bounds: Toward Math Understanding 5/6</u> ² <ul style="list-style-type: none"> • Student Resource • Teacher's Resource • Teacher's Resource DVD 	November 2015
Pearson Education <ul style="list-style-type: none"> • <u>SuccessMaker</u> ^{1 2} 	February 2016
Nelson Education <ul style="list-style-type: none"> • <u>Good Questions: Great Ways to Differentiate Mathematics Instruction</u> ² • <u>More Good Questions: Great Ways to Differentiate Secondary Mathematics Instruction</u> ² • <u>Eyes on Math</u> ² 	August 2016
<u>Netmath</u> ¹	August 2016
Saxon Publishers Inc. <ul style="list-style-type: none"> • <u>Saxon Math</u> Grade 6 Kit ² 	August 2016
3P Learning <ul style="list-style-type: none"> • <u>Mathletics</u> ^{1 2} 	June 2017
Nelson <ul style="list-style-type: none"> • <u>From Patterns to Algebra</u> 	June 2017
Portage & Main Press <ul style="list-style-type: none"> • <u>Hands-On Problem Solving, Grade 6 – A Minds-On Approach</u> ² 	June 2017

Grade 7	Date Added to List
<u>JUMP Math</u> <ul style="list-style-type: none"> • Teacher Resource 7.1 ² • Teacher Resource 7.2 ² • Assessment & Practice 7.1 ² • Assessment & Practice 7.2 ² 	August 2015
Khan Academy <ul style="list-style-type: none"> • Intro to area and unit squares ¹ • Probability explained ¹ 	August 2015
<u>Probability Toolkit</u> ¹	August 2015
<u>Symmetry Shuffle</u> ¹	August 2015
<u>Tic Tac Math Algebra</u> ¹	August 2015
<u>Zentomino</u> ¹	August 2015
Nelson Education <p>Leaps and Bounds: Toward Math Understanding 7/8 ²</p> <ul style="list-style-type: none"> • Student Resource • Teacher's Resource • Teacher's Resource DVD 	November 2015
Pearson Education <ul style="list-style-type: none"> • SuccessMaker ¹ ² 	February 2016
Nelson Education <ul style="list-style-type: none"> • Good Questions: Great Ways to Differentiate Mathematics Instruction ² • More Good Questions: Great Ways to Differentiate Secondary Mathematics Instruction ² • Eyes on Math ² 	August 2016
<u>Netmath</u> ¹	August 2016
Saxon Publishers Inc. <ul style="list-style-type: none"> • Saxon Math Grade 7 Kit ² 	August 2016

Grade 7 Continued	Date Added to List
3P Learning	June 2017
<ul style="list-style-type: none"> <li data-bbox="203 275 423 308">• Mathletics ¹ ² 	
Nelson	June 2017
<ul style="list-style-type: none"> <li data-bbox="203 392 558 426">• From Patterns to Algebra 	

Grade 8	Date Added to List
<u>JUMP Math</u> <ul style="list-style-type: none"> • Teacher Resource 8.1 ² • Teacher Resource 8.2 ² • Assessment & Practice 8.1 ² • Assessment & Practice 8.2 ² 	August 2015
Khan Academy <ul style="list-style-type: none"> • Distributive property to simplify ¹ • Variables, expressions, and equations ¹ 	August 2015
LearnZillion <ul style="list-style-type: none"> • Find the surface area of a rectangular prism by decomposing its net into rectangles ¹ 	August 2015
<u>Probability Toolkit</u> ¹	August 2015
Quia <ul style="list-style-type: none"> • Solving Equations Jeopardy Style ¹ 	August 2015
<u>Tic Tac Math Algebra</u> ¹	August 2015
Nelson Education <p>Leaps and Bounds: Toward Math Understanding 7/8 ²</p> <ul style="list-style-type: none"> • Student Resource • Teacher's Resource • Teacher's Resource DVD 	November 2015
Pearson Education <ul style="list-style-type: none"> • SuccessMaker ¹ ² 	February 2016
Nelson Education <ul style="list-style-type: none"> • Good Questions: Great Ways to Differentiate Mathematics Instruction ² • More Good Questions: Great Ways to Differentiate Secondary Mathematics Instruction ² • Eyes on Math ² 	August 2016
<u>Netmath</u> ¹	August 2016
Saxon Publishers Inc. <ul style="list-style-type: none"> • Saxon Math Grade 8 Kit ² 	August 2016

Grade 8 Continued	Date Added to List
3P Learning	June 2017
<ul style="list-style-type: none"> <li data-bbox="203 275 423 308">• Mathletics ¹ ² 	
Nelson	June 2017
<ul style="list-style-type: none"> <li data-bbox="203 390 558 424">• From Patterns to Algebra 	

Grade 9	Date Added to List
IXL <ul style="list-style-type: none"> • Add and subtract polynomials ¹ • Add and subtract polynomials using algebra tiles ¹ • Model polynomials with algebra tiles ¹ • Multiply a polynomial by a monomial ¹ • Multiply monomials to find area ¹ • Multiply polynomials to find area ¹ 	August 2015
Khan Academy <ul style="list-style-type: none"> • How to solve an equation with variables on both sides ¹ • Intro to exponents ¹ • Exponent rules part 1 ¹ • Exponent rules part 2 ¹ • The parts of polynomial expressions ¹ • Intro to combining like terms ¹ • Combining like terms example ¹ • Combining like terms challenge problem ¹ • Combining like terms with negative coefficients ¹ • Equivalent forms of expressions ¹ • Equivalent expressions ¹ • More examples of adding and subtracting polynomials ¹ • Adding and subtracting polynomials ¹ • Simplifying expressions ¹ • Combining like terms with negative coefficients and distribution ¹ • Combining like terms ¹ 	August 2015
Quia <ul style="list-style-type: none"> • Solving Equations Jeopardy Style ¹ 	August 2015
Tic Tac Math Algebra ¹	August 2015
Nelson Education <ul style="list-style-type: none"> • Good Questions: Great Ways to Differentiate Mathematics Instruction ² • More Good Questions: Great Ways to Differentiate Secondary Mathematics Instruction ² 	August 2016
Netmath ¹	August 2016

Grade 9 Continued	Date Added to List
Saxon Publishers Inc.	August 2016
<ul style="list-style-type: none"> • Saxon Math Grade 9 Kit ² 	
3P Learning	June 2017
<ul style="list-style-type: none"> • Mathletics ^{1 2} 	
Nelson	June 2017
<ul style="list-style-type: none"> • From Patterns to Algebra 	