



# Grade 1 Curriculum Map

## Mathematics

Month	Japanese (算数)		English (Math)						
	Theme	Content Areas	Theme (From Mathematics for ES text)	Content Areas	Strategies/Best practices use to teach the skills and concepts	How students will demonstrate their understanding	Resources for this Unit	British Columbian Curriculum Standards Learning Outcomes	Expected Student Learning Results
April	○しまたんけん ② 1 10までのかず ⑩	★ものの種類などでの仲間分け・集合作り ☆10までの個数 ★対応による大小比較(大小・同数・間接比較) ★1～5の具体物と半具体物との対応 ★1～5の数詞, 数字の読み方・書き方 ☆1～5までの数構成・系列 ★6～10の具体物と半具体物との対応 ★6～10の	Numbers up to 10.  Decomposing and Composing Numbers.	Counting 1 – 10  Counting 10 – 20  Sums and addends	Three core texts used in lessons, with H&M Homework Book to supplement in class learning.  Students work individually, in pairs and small groups in class.  Use of resources such as cubes, plastic chips, etc. for 'hands on' learning.	Unit tests (from H&M)  Unit tests (from H&M)	Mathematics for ES (pages 1 to 26).  H&M Math Vol. 1. (pages 6 to 30)  H&M Math Homework (pages 1 to 7)  H&M Math Practice (pages 1 to 9)  Mathematics for ES (pages 27 to 31).  H&M Math Vol. 1. (pages 37 to 58)  H&M Math Homework (pages 8 to 23)  H&M Math	<ul style="list-style-type: none"> <li>▪ <b>Number A1 – A10</b></li> <li>▪ <b>Patterns – Variables &amp; equations B3 – B4</b></li> </ul>	1 d, 2 a & b, 3 b, 4 a & b.

		数詞、数字の読み方・書き方 ☆6～10までの数構成・系列 ★何も無いものとしての0の意味 ★大小、0～10の系列					Practice (pages 10 to 25)		
<b>May</b>	2 いくつといくつ  ④ 3 なんばんめ  ②	★5～10の合成・分解  ★集合数と順序数の関係 ☆前後・上下・左右 ☆平面上の位置の表し方	Numbers to Show Order.	Ordinal numbers  Comparisons – more, less, fewer, greater etc.	Modelling of concepts using real-world examples	Unit tests (from H&M)	Mathematics for ES (pages 32 to 35)  H&M Math Vol. 4. (pages 303 to 308; 311 to 316; 319) H&M Math Practice (pages 75 & 76; 78 & 79) H&M Math Homework (pages 71 & 72)	<ul style="list-style-type: none"> <li>▪ <b>Shape &amp; Space – Measurement C1</b></li> </ul>	1 d, 2 a & b, 3 b, 4 a & b.
<b>June</b>	4 たしざん(1)  ⑫  5 ひきざん(1)  ⑫	★加法の意味(合併・増加) ★加法の場面を式に表す・式を読み取る ★和が10までの加法 ☆作問・絵本作り ☆カードによる計算練習 ★0の加法	Addition	Addition concepts - Numbers 1 – 10  Adding in any order  Adding in vertical form  Adding with zero		Unit tests (from H&M)	Mathematics for ES (pages 36 to 51)  H&M Math Vol. 1. (pages 33 to 56)  H&M Math Vol. 2. (pages 119a to 140)  H&M Math Practice (pages 10 to 17)  H&M Math Homework (pages 8 to 15; 30 to 34)	<ul style="list-style-type: none"> <li>▪ <b>Number A1 – A10</b></li> <li>▪ <b>Patterns – Variables &amp; equations B3 – B4</b></li> </ul>	1 d, 2 a & b, 3 b, 4 a & b.

		<p>★減法の意味(求残・求補・求差)</p> <p>★減法の場面を式に表す・式を読み取る</p> <p>★和が10までの加法の逆の減法</p> <p>☆作問・絵本作り</p> <p>☆カードによる計算練習</p> <p>★0の減法</p>	Subtraction	<p>Subtraction concepts - Numbers 1 – 10</p> <p>Write a subtraction sentence</p> <p>Subtracting with zero</p> <p>Subtraction in vertical form</p>			<p>Mathematics for ES (pages 52 to 68)</p> <p>H&amp;M Math Vol. 1 (pages 59 to 82)</p> <p>H&amp;M Math Practice (pages 18 to 25)</p> <p>H&amp;M Math Homework (pages 16 &amp; 23)</p>	<ul style="list-style-type: none"> <li>■ <b>Number</b> <b>A1 – A10</b></li> <li>■ <b>Patterns – Variables &amp; equations</b> <b>B3 – B4</b></li> </ul>	
<b>July</b>	<p>○おさらい</p> <p>①</p>	<p>☆1学期の復習(数の合成, 順序, 加法の文章題, 計算)</p>	Shapes	<p>Plane shapes</p> <p>Classifying &amp; sorting shapes</p> <p>Solid (3D) shapes</p> <p>Identifying faces of a solid shape</p>		Unit tests (from H&M)	<p>Mathematics for ES (pages 69 to 85)</p> <p>H&amp;M Math Vol. 3 (pages 177a to 201)</p> <p>H&amp;M Math Practice (pages 44 to 50)</p> <p>H&amp;M Math Homework (pages 42 &amp; 48)</p>	<ul style="list-style-type: none"> <li>■ <b>Shape &amp; Space – 3D &amp; 2D shapes</b> <b>C2 – C4</b></li> </ul>	1 d, 2 a & b, 3 b, 4 a & b.
<b>September</b>	<p>6 かたち (1)</p> <p>⑤</p> <p>7 10より大きいはず</p>	<p>★立体図形の概念の基礎, 特徴や性質</p> <p>☆立体図形の仲間分け</p> <p>☆立体の面からの</p>	Numbers larger than 10.	<p>Counting 10 – 20</p> <p>Counting more than 20</p> <p>Numbers through 100</p> <p>Place value</p>		Unit tests (from H&M)	<p>H&amp;M Math Vol. 4 (pages 271a to 300)</p> <p>H&amp;M Math Practice (pages 44 to 74)</p> <p>H&amp;M Math Homework (pages 63 &amp; 70)</p>	<ul style="list-style-type: none"> <li>■ <b>Number</b> <b>A1 – A10</b></li> <li>■ <b>Patterns – Variables &amp; equations</b> <b>B3 – B4</b></li> </ul>	1 d, 2 a & b, 3 b, 4 a & b.

	⑩	<p>平面の取り出し</p> <p>★2位数の意味と表し方</p> <p>★20までの数の読み方・書き方, 大小, 系列</p> <p>☆数直線の素地</p> <p>★20以上(59まで)の数</p> <p>★一の位, 十の位</p> <p>☆ (十何) ± (1位数)</p>		<p>Counting 10s</p> <p>Teen numbers</p> <p>Different ways to show numbers</p> <p>Patterns</p>					
October	<p>8 とけい</p> <p>② 9 かずしらべ</p> <p>② 10 たしざん (2)</p> <p>⑫</p>	<p>★何時, 何時半, 何時何分の時刻の読み方</p> <p>★絵や図を用いた数の整理, 絵グラフ</p> <p>★(1位数) + (1位数) で繰り上がりのある場合の加法の意味と計算のしかた, 加数分解・被加数分解</p>	<p>Time</p> <p>Exploring How Many</p>	<p>Order of events</p> <p>Hour</p> <p>Half hour</p> <p>Elapsed time</p> <p>Days &amp; weeks</p> <p>Months</p> <p>Estimate time</p> <p>Tally charts</p> <p>Pictographs</p> <p>Bar graphs</p>	<p>Unit tests (from H&amp;M)</p>	<p>Mathematics for ES (pages 84 to 100)</p> <p>H&amp;M Math Vol. 5. (pages 353a to 384)</p> <p>H&amp;M Math Practice (pages 86 to 94)</p> <p>H&amp;M Math Homework (pages 82 &amp; 90)</p>	<p>■ <b>Shape &amp; Space – Measurement C1</b></p>	<p>1 d, 2 a &amp; b, 3 b, 4 a &amp; b.</p>	

		☆カードによる計算練習 ☆1つの数を他の数の和とみる ☆たし算カードを使ったゲーム							
<b>November</b>	11 ひきざん (2) ⑫	★(十何)ー(1位数)で繰り下がりのある場合の減法の意味と計算しかた, 減加法・減々法 ☆カードによる計算練習 ☆1つの数を他の数の差とみる ☆ひき算カードを使ったゲーム	Addition (2)  Subtraction (2)	Counting on  Number lines  Doubles  Doubles + 1  Writing number sentences  Counting back  Number lines  More/fewer		Unit tests (from H&M)	Mathematics for ES (pages 91 to 109)  H&M Math Vol. 6. (pages 429 to 452; 457 to 480)  H&M Math Practice (pages 102 to 117)  H&M Math Homework (pages 98 to 113)	<ul style="list-style-type: none"> <li>▪ <b>Number</b> <b>A1 – A10</b></li> <li>▪ <b>Patterns – Variables &amp; equations</b> <b>B3 – B4</b></li> </ul>	1 d, 2 a & b, 3 b, 4 a & b.
<b>December</b>	12 たすのかなひくの かな ⑥  ○おさらい	☆加減の演算決定(合併・求残・求差) ☆3口の加法の場面と立式, 計算のしかた ☆順番に関する計	Subtraction (2) [cont]  Addition or subtraction	Relate addition & subtraction  Choosing operation		Unit tests (from H&M)	Mathematics for ES (pages 110 to 118) H&M Math Vol. 8. (pages 557 to 578; 583 to 602)  H&M Math Practice (pages 131 to 144)  H&M Math		1 d, 2 a & b, 3 b, 4 a & b.

	③	算 ☆除法の 素地 ☆2学期 の復習 (形, 数 系列, 時 刻読み, 繰り上が り ・繰り 下がりの ある加法 の計算・ 文章題)					Homework (pages127 to 140)		
January	13 大 きさく らべ  ⑨ 14 大 きなか ず  ⑫	★長さ・ かさ・広 さの概 念, 測定 の基礎 (直接比 較・ 間接比 較・任意 単位) ★60 以上 の数の2 位数の構 成 ★100 まで の数の読 み方・書 き方, 構 成, 大 小, 系列, 数直線	Comparing Sizes	Measurement (Length, capacity, temperature, & weight)  Non-standard units of measurement  Units of measurement		Unit tests (from H&M)	Mathematics for ES (pages 119 to 127)  H&M Math Vol. 7. (pages 498 to <b>502</b> )  H&M Math Practice (pages 118 & <b>119</b> )  H&M Math Homework (pages114 & <b>115</b> )	■ <b>Shape &amp; Space – Measurement</b>  C1	1 d, 2 a & b, 3 b, 4 a & b.

<b>February</b>	14 大きなかず ⑫	☆100より大きい数の読み方・書き方、構成、系列、数直線 ☆(何十)±(何十)、繰り上がり・繰り下がりがない (2位数)±(1位数)の計算	Large numbers			Unit tests (from H&M)	Mathematics for ES (page 128 to 140)  H&M Math Vol. 3 & 8. (275 to 300; 607 to 624; 629 to 648)  H&M Math Practice (pages 66 to 74; 145 to 157)  H&M Math Homework (pages 63 to 70; 141 to 153)	<ul style="list-style-type: none"> <li>■ <b>Number</b></li> <li><b>A1 – A10</b></li> </ul>	1 d, 2 a & b, 3 b, 4 a & b.
<b>March</b>	15 かわたち (2) ④ ●いくつ見つかったか な ② 16 1ねんのまとめ ⑥	★色板を使った形の構成 ☆色棒やドットを使った形の構成 ☆2枚のイラストから、間違い探しをする  ☆1年の学習内容のまとめ	Shapes (2)  * If time permits: Fractions Money (Japanese Yen - <a href="http://www.math-aids.com/Money/">http://www.math-aids.com/Money/</a> )  Review of Grade 1 Maths topics	Spatial sense & patterns		Unit tests (from H&M)	Mathematics for ES (pages 141 to 152). H&M Math Vol. 3. (205 to 234)  H&M Math Practice (pages 51 to 58)  H&M Math Homework (pages 49 to 56)	<ul style="list-style-type: none"> <li>■ <b>Patterns &amp; Relations – Patterns</b></li> <li><b>B1 – B2</b></li> <li>■ <b>Shape &amp; Space – 3D &amp; 2D shapes</b></li> <li><b>C2 – C4</b></li> </ul>	1 d, 2 a & b, 3 b, 4 a & b.

### Overall aims for the Grade One Mathematics Program of Study

The principal focus of mathematics teaching in Grade One is to ensure that pupils develop confidence and mental fluency with whole numbers, counting and place value. This should involve working with numerals, words and the four operations, including with practical resources [for example, concrete objects and measuring tools].

At this stage, pupils should develop their ability to recognise, describe, draw, compare and sort different shapes and use the related vocabulary.

Teaching should also involve using a range of measures to describe and compare different quantities such as length, mass, capacity/volume, time and money. By the end of the year, pupils should know the number bonds to 20 and be precise in using and understanding place value.

An emphasis on practice at this early stage will aid fluency. Pupils should read and spell mathematical vocabulary, at a level consistent with their increasing word reading and spelling.