



Orca Curriculum Mapping

Mathematics

Month	Theme	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	Me -School life -Relationships	Addition (numbers up to 10)	Teacher instruction using whiteboard. Completing operations in books. Games & Activities	Successfully complete operations. Recognize '+' & '=' symbols. Compute using fingers or counters. Recognize and correct mistakes.	Super Math Success Colored Counters	Number A1-5 Patterns B1	1. a, d 2. a, b 3. b 4. a, b
May	Transportation	Subtraction (numbers up to 10)	Teacher instruction using whiteboard. Completing operations in books. Games & Activities	Successfully complete operations. Recognize '-' & '=' symbols. Compute using fingers or counters. Recognize and correct mistakes.	Super Math Success Colored Counters	Number A1-5 Patterns B1	1. a, d 2. a, b 3. b 4. a, b
June	Animals -Reptiles	Addition & Subtraction (numbers up to 20)	Teacher instruction using whiteboard. Completing operations in books. Games & Activities	Able to successfully add and subtract numbers up to 20. Using written, manipulative and metal processes.	Super Math Success Colored Counters	Number A1-5 Patterns B1	1. a, d 2. a, b 3. b 4. a, b
July	Flat Stanley Flat Orca	Counting to 100 Place Value – Ones, Tens, Hundreds Number Patterns	Teacher instruction using whiteboard. Completing operations in books. Games & Activities	Able to independently count to 100. Identify ones, tens and hundreds and there place value. Able to recognize and repeat patterns in number lines.	Super Math Success Colored Counters	Number A1-5 Patterns B1	1. a, d 2. a, b 3. b 4. a, b

September	Dinosaurs	Recognising, identifying and drawing different shapes. E.g. triangle, square, rectangle, hexagon.	Teacher instruction using whiteboard. Completing operations in books. Games & Activities	Name basic shapes as presented by the teacher. Draw different shapes either freehand or with a ruler.	Super Math Success Shape manipulatives and rulers	Shape & Space C1-C3	1. a, d 2. a, b 3. b 4. a, b
October	Halloween	Time: Reading hourly time on an analogue clock. 30 and 15 minute intervals. Concepts of time, seconds, hours etc.	Teacher instruction using whiteboard. Using a practice clock and a real clock. Counting as a class to 60 in time with the second hand. Blank clock worksheets Matching digital to analog times.	Students are able to identify each hand on the clock. Students recognize number and markings represent time values. Students can translate time form digital to analog. Students can read the hourly time along with 15 & 30 minute intervals.	Super Math Success Practice Clocks Blank Clock Sheets Classroom Clock	N/A	1. a, d 2. a, b 3. b 4. a, b
November	Australia	Time: Reading hourly time on an analogue clock. 30 and 15 minute intervals. Concepts of time, seconds, hours etc.	Teacher instruction using whiteboard. Using a practice clock and a real clock. Counting as a class to 60 in time with the second hand. Blank clock worksheets Matching digital to analog times.	Students are able to identify each hand on the clock. Students recognize number and markings represent time values. Students can translate time form digital to analog. Students can read the hourly time along with 15 & 30 minute intervals.	Super Math Success Practice Clocks Blank Clock Sheets Classroom Clock	N/A	1. a, d 2. a, b 3. b 4. a, b
December	Christmas -Cultures -Celebrations	Review of Concepts: Addition Subtraction Counting to 100 Place Value Shapes Time	*	*	*	Number A1-5 Patterns B1 Shape & Space C1-C3	1. a, d 2. a, b 3. b 4. a, b

January	Books from home -Any language -Share to class	Measurement: Measuring length using nonstandard objects (counters, chain links, body parts). Measuring length using centimeters and inches.	Teacher instruction using whiteboard. Measuring worksheets and book work. Using nonstandard objects and rulers to measure length. Recording results.	Students are able to use nonstandard objects and rulers to measure the length of a variety of objects. Students recognize centimeters and inches as consistent values for measurement.	Super Math Success Rulers Paperclips/Counters Worksheets	Shape & Space C1	1. a, d 2. a, b 3. b 4. a, b
February	Space -Solar System	Measurement: Measuring length using nonstandard objects (counters, chain links, body parts). Measuring length using centimeters and inches.	Teacher instruction using whiteboard. Measuring worksheets and book work. Using nonstandard objects and rulers to measure length. Recording results.	Students are able to use nonstandard objects and rulers to measure the length of a variety of objects. Students recognize centimeters and inches as consistent values for measurement.	Super Math Success Rulers Paperclips/Counters Worksheets	Shape & Space C1	1. a, d 2. a, b 3. b 4. a, b
March	Graduation	Money: Identifying coins by name and value (US/Japanese currency) Matching different coins with the same value. Adding the total value of groups of coins.	Teacher instruction using whiteboard. Completing activities in the text book. Using play money to create and compare different values. Play shopping to buy different items.	Students are able to identify the value of and name different coins. Students recognize that the value of coins is not found only in quantity. Students are able to recognise different coin groups with the same value.	Super Math Success Worksheets Play Money	Number A1-A5	1. a, d 2. a, b 3. b 4. a, b

Overall aims for the Orca Mathematics Program of Study

- Count 1-100
- Read digital and analog clock (hourly)
- Measure height, weight and capacity using simple methods
- Compare lengths using a variety of methods including centimeters
- Addition and subtraction with 2 digit numbers

1. AIS is preparing 'global minded' students that;
 - d. Enjoy learning, have a good attitude towards learning in all subjects and who demonstrate a desire to learn and understand.
2. AIS students develop a respect for themselves and others by;
 - b. Demonstrating a positive attitude, enthusiasm and active participation.
4. At AIS students develop a healthy self-confidence;
 - a. By showing they are prepared to risk take and challenge themselves by trying new things.
 - b. Being motivated learners with a curiosity about the working universe around them.