

## Grade Six Curriculum Handout: (Musquodoboit Valley Education Centre, 2021-2022)

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**English Language Arts:** The majority of the language arts program is based on the reader’s and writer’s workshop model. Participating in the workshop model provides students with opportunities to work towards achievement in the areas of Reading and Viewing, Speaking and Listening and Writing and Other Ways of Representing.

	Term One	Term Two	Term Three
Speaking and Listening	Communicate effectively and clearly and respond personally and critically, respecting cultural contexts.	Students will interact with sensitivity and respect, considering cultural contexts, audience, purpose, and situation.	Students will interact with sensitivity and respect, considering cultural contexts, audience, purpose, and situation.
Reading	Students will demonstrate a variety of ways to select and comprehend from a range of culturally diverse print and digital texts.  Students will understand the speaking, reading, and writing relationship by independently and collaboratively creating diverse texts.	Students will select, interpret, and combine information from culturally diverse contexts.  Students will understand the speaking, reading, and writing relationship by independently and collaboratively creating diverse texts.	Students will respond personally and critically to a range of culturally diverse texts.  Students will understand the speaking, reading, and writing relationship by independently and collaboratively creating diverse texts.
Writing	Students will be expected to use writing and other representations to explore, clarify, and reflect upon thoughts and experiences.  Students will be expected to create text, independently and collaboratively, using a variety of types of writing for a range of audiences and purposes.  Students will use a range of strategies within the writing process to enhance the clarity, precision, and effectiveness of their writing.	Students will be expected to use writing and other representations to explore, clarify, and reflect upon thoughts and experiences.  Students will be expected to use writing and other representations to explore, clarify, and reflect upon thoughts and experiences.  Students will use a range of strategies within the writing process to enhance the clarity, precision, and effectiveness of their writing.	Students will use a range of strategies within the writing process to enhance the clarity, precision, and effectiveness of their writing.

**Mathematics:** The majority of the math program is based on the Three-Part Lesson model. Students are engaged in purposeful math based activities daily. The daily focus of the workshop model is directed by the provincial curriculum document and by the needs of the students identified through ongoing assessment. The following are examples of the General and Specific outcomes students work towards.

General Curriculum Outcome	Sample Specific Curriculum Outcome
<p style="text-align: center;"><b>Number</b></p> <p>Students will be expected to demonstrate number sense.</p>	<ul style="list-style-type: none"> <li>● Demonstrate an understanding of place value for numbers greater than one million and less than one-thousandth.</li> <li>● Solve problems involving whole numbers and decimal numbers.</li> <li>● Demonstrate an understanding of factors and multiples</li> <li>● Relate improper fractions and mixed numbers and mixed numbers to improper fractions.</li> <li>● Demonstrate an understanding of percent and ratio, concretely, pictorially, and symbolically.</li> <li>● Demonstrate an understanding of integers contextually, concretely, pictorially, and symbolically.</li> <li>● Demonstrate an understanding of multiplication and division of decimals.</li> <li>● Explain and apply the order of operations, excluding exponents, with and without technology.</li> </ul>
<p style="text-align: center;"><b>Patterns and Relations</b></p> <p>Students will be expected to use patterns to describe the world and solve problems.</p> <p>Students will be expected to represent algebraic expressions in multiple ways.</p>	<ul style="list-style-type: none"> <li>● Demonstrate an understanding of the relationships within tables of values to solve problems.</li> <li>● Represent and describe patterns and relationships, using graphs and tables.</li> <li>● Represent generalizations arising from number relationships using equations with letter variables.</li> <li>● Demonstrate and explain the meaning of preservation of equality concretely, pictorially, and symbolically.</li> </ul>
<p style="text-align: center;"><b>Measurement</b></p> <p>Students will be expected to use direct and indirect measure to solve problems</p>	<ul style="list-style-type: none"> <li>● Demonstrating an under of angles.</li> <li>● Demonstrate that the sum of interior angles is 180 in a triangle and 360 in a quadrilateral.</li> <li>● Develop and apply a formula for determining perimeter, area and volume.</li> </ul>
<p style="text-align: center;"><b>Geometry</b></p> <p>Students will be expected to describe the characteristics of 3D objects and 2D shapes and analyze the relationship among them.</p> <p>Students will be expected to describe and analyse position and motion of objects and shapes.</p>	<ul style="list-style-type: none"> <li>● Construct and compare triangles, including scalene, isosceles, equilateral, right, obtuse or acute in different orientations.</li> <li>● Describe and compare the sides and angles of regular and irregular polygons.</li> <li>● Perform a combination of translation(s), rotation(s), and/or reflection(s) on a single 2D shape, with and without technology, and draw and describe the image.</li> <li>● Perform a combination of successive transformations of 2D shapes to create a design and identify and describe the transformations.</li> <li>● Identify and plot points in the first quadrant of a Cartesian plane using whole number ordered pair.</li> <li>● Perform and describe single transformations of a 2D shape in the first quadrant of Cartesian plane.</li> </ul>
<p style="text-align: center;"><b>Statistics and Probability</b></p> <p>Students will be expected to collect, display, and analyse data to solve problems.</p> <p>Students will be expected to use experimental or theoretical probabilities to represent and solve problems involving uncertainty.</p>	<ul style="list-style-type: none"> <li>● Create, label and interpret line graphs to draw conclusions.</li> <li>● select, justify, and use appropriate methods of collecting data, including questionnaires, experiments, databases, and electronic media.</li> <li>● Graph collected data and analyze the graph to solve problems.</li> <li>● Demonstrate an understanding of probability.</li> </ul>

**Social Studies:**

Students will be exploring World Cultures. Units of study will be as follows: An Introduction to Culture/ Environment and Culture/ Some Elements of Culture/ Expressions of Culture/ World Issues/ Canada: Reflections on a Cultural Mosaic.

**Visual Arts:**

The visual arts curriculum will allow students to explore and manipulate a variety of materials, demonstrating ability to express themselves. It involves both independent and collaborative work. Students will also work to foster respect for their own work and the artwork of others.

**Health:**

Students to explore such topics as: Sexuality and sexual health/ Physical and emotional changes experienced through adolescents/ Mental health, techniques for mindful eating and exercising/ Healthy relationships/ Global citizenship/ Home alone and babysitting safety and being critical of advertising.

**Science:**

The science curriculum will allow students to explore the following topics: Electricity/ Flight/ Space/ Diversity of Life.

**Information & Communication Technology/Coding (ICT):**

Students will be exploring the following: Digital Citizenship/ Communication/ Productivity and Innovation/ Research/ Problem Solving and Decision Making/ Technology Operations and Concepts and Coding.

**Assessment Information:** A variety of assessment practices will be used to assess student understanding and progress with the curriculum outcomes. Some examples of assessment techniques are observation, projects, tests, quizzes, interviews, conferences, self-assessments, student portfolios and student work samples.