

Grade 6 Math

Curricular Competencies

Big Ideas	Curricular Competencies																	
	Reasoning and Analyzing					Understanding and Solving					Communicating & Representing				Connecting and Reflecting			
	Use logic and patterns to solve puzzles and play games	Use reasoning and logic to explore, analyze, and apply mathematical ideas	Estimate reasonably	Demonstrate and apply mental math strategies	Use tools or technology to explore and create patterns and relationships, and test conjectures	Model mathematics in contextualized experiences	Apply multiple strategies to solve problems in both abstract and contextualized situations	Develop, demonstrate, and apply mathematical understanding through play, inquiry, and problem solving	Visualize to explore mathematical concepts	Engage in problem-solving experiences that are connected to place, story, cultural practices, and perspectives relevant to local First Peoples communities, the local community, and other cultures	Use mathematical vocabulary and language to contribute to mathematical discussions	Explain and justify mathematical ideas and decisions	Communicate mathematical thinking in many ways	Represent mathematical ideas in concrete, pictorial, and symbolic forms	Reflect on mathematical thinking	Connect mathematical concepts to each other and to other areas and personal interests	Use mathematical arguments to support personal choices	Incorporate First Peoples worldviews and perspectives to make connections to mathematical concepts
Content	small to large numbers(thousandths to billions)																	
	multiplication and division facts to 100 (developing computational fluency)																	
	order of operations with whole numbers																	
	factors and multiples, greatest common factor and least common multiple																	
	improper fractions and mixed numbers																	
	introduction to ratios																	
	whole-number percents and percentage discounts																	
	multiplication and division of decimals																	
	increasing and decreasing patterns, using expressions, tables, and graphs as functional relationships																	
	one-step equations with whole-number coefficients and solutions																	
	perimeter of complex shapes																	
	area of triangles, parallelograms, and trapezoids																	
	angle measurement and classification																	
	volume and capacity																	
	triangles																	
	combinations of transformations																	
	line graphs																	
single-outcome probability, both theoretical and experimental																		
financial literacy - simple budgeting and consumer math																		

