Map: **Math Grade 7**   Grade Level: **7**

District: **Island Trees**

Created: **11/09/2007**   Last Updated: **11/09/2007**

	Essential Questions	Content	Skills		Standards/PIs	
Unit 1	What are factors and multiples? How can we use them to solve problems?	Factors / Multiples	identifies the common factors and greatest common factor of two or more numbers		MST3-7.N.4	
					MST3-7.N.8	
					MST3-7.N.9	
			determines multiples and least common multiple of two or more numbers		MST3-7.N.10	
					MST3-7.N.11	
					MST3-7.N.12	
			determines the prime factorization of a given number and writes in exponential form		MST3-7.N.13	
					MST3-7.N.14	
	Why do we have rules for order of operations? What is absolute value? Where in life do we use signed numbers?	Numbers & Operations	applies the rules to simplify expressions using order of operations (PEMDAS)			
			review 6th - evaluates algebraic expressions			
			explains and computes absolute value			
			applies rules for all 4 basic operations for integers (add & sub w/ & w/o number line)			
	Why and how do we use exponents?		develops the laws of exponents for multiplication			

		Exponents	and division understands negative exponents / exponent of zero: relates to fractions and decimals			
Unit 2	Why and how do we use square roots?	Exponents / Square Roots *- scientific notation*	writes numbers in scientific notation and translates from scientific notation to standard form compares numbers written in scientific notation calculates perfect squares and non-perfect squares (identifies between which two whole numbers non-perfect squares less than 225 fall: w/ & w/o the use of a number line)		**MST3-7.N.1** **MST3-7.N.2** **MST3-7.N.3** **MST3-7.N.5** **MST3-7.N.6** **MST3-7.N.7** **MST3-7.N.15** **MST3-7.N.16** **MST3-7.N.17** **MST3-7.N.18** **MST3-7.N.19** **MST3-7.A.6**	

					MST3-7.M.5	
		review - conversions (fractions / decimals / percents)			MST3-7.M.6	
What is the Real Number System? What are the subsets of the Real Number System?		identifies counting / natural, whole, integers, rational, irrational numbers				
	Real Number System					
		recognizes the difference between rational and irrational numbers (explores different approximations of Pi)				
		arranges rational and irrational numbers on a number line and supports with an explanation				
		review 6th - solves simple proportions				
		post - calculates unit price using proportions and compares unit price				
How can we use simple algebra to help us solve real life problems?						
	Algebra: Proportions / Variables / Equations	evaluates formulas for given input values (rate/density)				

Unit 3					
How can we use simple algebra to help us solve real life problems? How can we solve equations to find the value of a variable?	Algebra: Variables / Expressions / Equations	translates two step verbal expressions into algebraic expressions **review 6th -** solves and explains two step algebra equations **post -** solves multi-step equations by combining like terms, using the distributive property, or moving variables to one side of the equation		MST3-7.A.1 MST3-7.A.5 MST3-7.G.10 MST3-7.A.4	
What are inequalities? Where would we use them in our life?	Inequalities	solves one step inequalities (positive coefficients only) graphs the solution set of an inequality on a number line			
How can we use the coordinate plane as a graphing tool?	Coordinate Geometry **(review 6th)**	**review 6th** - constructs a coordinate grid, identifying axes and quadrants and plots points **review 6th** - draws basic polygons on coordinate axis and determines area			

	Essential Questions	Content	Skills		Standards/PIs	

Unit 4	What are quadrilaterals?	Geometry: Geometric Relationships
		
		  - *quadrilaterals*
		
		  - *angles*
			identifies and describes properties of quadrilaterals
			
			identifies the missing angle when given angles of a quadrilateral
			
			post - builds a pattern to develop a rule for determining the sum of the interior angles of polygons
			
			reviews circumference and area of circles
			
			calculates the radius or diameter given the circumference or area
			
			calculates the volume of prisms and cylinders (using a given formula and calculator)
			
			identifies the two dimensional shapes that make up faces and bases of 3-D shapes (prisms, cylinders, cones and pyramids)
			
			calculates the surface area of prisms and cylinders (using a calculator and a variety of methods)
					MST3-7.G.1
					
					MST3-7.G.2
					
					MST3-7.G.3
					
					MST3-7.G.4
					
					MST3-7.G.7
					
					MST3-7.M.11
					
					MST3-7.A.9	

	What is area and volume? Where and how are these used in real life?	Geometry: Shapes
		
		  - *circumferene / area*
		
		  - *volume / surface area*				

Unit 5	What is statistics? How can I organize data I collect in the best possible way? How can statistics help me to draw conclusions about data?	Probability	determines the validity of sampling methods to predict outcomes		MST3-7.S.1
					MST3-7.S.2
			review 6th - lists possible outcomes for compound events		MST3-7.S.3
					MST3-7.S.4
			interprets data to establish experimental probability		MST3-7.S.5
					MST3-7.S.6
			designs and conducts an experiment to test predictions		MST3-7.S.8
					MST3-7.S.7
			compares actual results to predicted results		MST3-7.S.9
			review 6th - determines the probability of dependent events and uses counting principle to determine the probabilities		MST3-7.S.10
					MST3-7.S.11
					MST3-7.S.12
			identifies and collects data using a variety of methods (freq. table, venn diagram)		MST3-7.M.8
	What is probability? What is the process in determining the probability of an event?	Statistics	changes raw data onto double bar and double line graphs		
			review 6th - determines and justifies the most appropriate graph to display a given set of data (pictograph, bar, line, circle, histogram)		
			draws central angles in a circle using protractor		
			selects and calculates the appropriate measures of central tendency		
			interprets and reads data		

		represented graphically			
		identifies and explains misleading statistics and graphs			
How can I determine which is the best measurement tool to use and how do I use these various tools?	Measurement Tools	determines the tool and technique to measure with an appropriate level of precision: mass identifies the relationships		MST3-7.M.2 MST3-7.M.3 MST3-7.M.4	

| Unit 6 | What is mass? What is the difference between the customary and metric systems? How can I convert measurements within a given system? | Units of Measure

- *mass* | between relative error and magnitude when delaing with large numbers (e.g., money, population)

identifies customary and metric units of mass

determines personnel references for customary/metric units of mass

converts capacities and volumes within a given system

converts mass within a given system

justifies the reasonableness of the mass of an object | | MST3-7.M.9

MST3-7.M.12

MST3-7.M.13

MST3-7.M.10 | |

	Essential Questions	Content	Skills	Assessments	Standards/PIs
Unit 7	What are polynomials? terms? How can we simplify them?	Algebra: Variables / Expressions - *polynomials*	computes addition and subtraction of monomials and **polynomials** with exponents of one *(operations with polynomials is 8th grade)* identifies a polynomial as an algebraic expression conating one or more terms		MST3-7.A.2 MST3-7.A.3
Unit 8	What are patterns? Why are they beneficial to us?	Algebraic Patterns / Rules - *graphing a line*	illustrates the graphic representation of a pattern from an equation or from a table of data produces algebraic patterns using charts / tables, graphs, equations, and expressions creates an equation to represent a function from a table of values		MST3-7.A.7 MST3-7.A.8 MST3-7.A.10
Unit 9	What is the Pythagorean Theorem? Where will we use this in real life?	Geometry: Pythagorean Theorem	identifies the right angle, hyptoenuse, and legs of a right triangle explores the relationship between the lengths of the three sides of a right triangle to develop the Pythagorean Theorem uses the Pythagorean Theorem to determine the unknown length of a side of a right triangle		MST3-7.G.5 MST3-7.G.6 MST3-7.G.8 MST3-7.G.9 MST3-7.M.1 MST3-7.M.7

	How can we calculate everyday math situations (distance, unit price, monetary conversions)?	Measurement: Proportions - *scales* - *exchange rates*	identifies whether a given triangle is a right triangle by applying the Pythagorean Theorem and using a calculator calculates distance using a map scale converts money between different currencies with the use of an exchange rate table and a calculator			

	Essential Questions	Content	Skills		Standards/PIs	
Unit 10	How can we prepare ourselves for 8th grade mathematics?	Review skills to prepare for 8th grade	adds, subtracts, multiplies, and divides integers solves multi-step equations calculates three percent cases explores the TI-83 calculator		MST3-7.N.12 MST3-7.A.4	

Key to Standards used in this Map

MST3-7.N.1 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems. [Number Systems] - Performance Indicator 7.N.1 - distinguish between the various subsets of real numbers (counting/natural numbers, whole numbers, integers, rational numbers, and irrational numbers) [Grade 7]

MST3-7.N.2 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems. [Number Systems] - Performance Indicator 7.N.2 - recognize the difference between rational and irrational numbers [Grade 7]

MST3-7.N.3 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems. [Number Systems] - Performance Indicator 7.N.3 - place rational and irrational numbers (approximations) on a number line and justify the placement of the numbers [Grade 7]

MST3-7.N.4 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems. [Number Systems] - Performance Indicator 7.N.4 - develop the laws of exponents for multiplication and division [Grade 7]

MST3-7.N.5 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems. [Number Systems] - Performance Indicator 7.N.5 - write numbers in scientific notation [Grade 7]

MST3-7.N.6 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems. [Number Systems] - Performance Indicator 7.N.6 - translate numbers from scientific notation into standard form [Grade 7]

MST3-7.N.7 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems. [Number Systems] - Performance Indicator 7.N.7 - compare numbers written in scientific notation [Grade 7]

MST3-7.N.8 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems. [Number Theory] - Performance Indicator 7.N.8 - find the common factors and greatest common factor of two or more numbers [Grade 7]

MST3-7.N.9 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems. [Number Theory] - Performance Indicator 7.N.9 - determine multiples and least common multiple of two or more numbers [Grade 7]

MST3-7.N.10 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand numbers, multiple ways of representing numbers,

relationships among numbers, and number systems. [Number Theory] - Performance Indicator 7.N.10 - determine the prime factorization of a given number and write in exponential form [Grade 7]

MST3-7.N.11 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand meanings of operations and procedures, and how they relate to one another. [Operations] - Performance Indicator 7.N.11 - simplify expressions using order of operations [Grade 7]

MST3-7.N.12 [2 occurences] - MST Standard 3 - Number Sense and Operations Strand - Students will understand meanings of operations and procedures, and how they relate to one another. [Operations] - Performance Indicator 7.N.12 - add, subtract, multiply, and divide integers [Grade 7]

MST3-7.N.13 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand meanings of operations and procedures, and how they relate to one another. [Operations] - Performance Indicator 7.N.13 - add and subtract two integers (with and without the use of a number line) [Grade 7]

MST3-7.N.14 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand meanings of operations and procedures, and how they relate to one another. [Operations] - Performance Indicator 7.N.14 - develop a conceptual understanding of negative and zero exponents with a base of ten and relate to fractions and decimals [Grade 7]

MST3-7.N.15 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand meanings of operations and procedures, and how they relate to one another. [Operations] - Performance Indicator 7.N.15 - recognize and state the value of the square root of a perfect square (up to 225) [Grade 7]

MST3-7.N.16 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand meanings of operations and procedures, and how they relate to one another. [Operations] - Performance Indicator 7.N.16 - determine the square root of non-perfect squares using a calculator [Grade 7]

MST3-7.N.17 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will understand meanings of operations and procedures, and how they relate to one another. [Operations] - Performance Indicator 7.N.17 - classify irrational numbers as non-repeating/non-terminating decimals [Grade 7]

MST3-7.N.18 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will compute accurately and make reasonable estimates. [Estimation] - Performance Indicator 7.N.18 - identify the two consecutive whole numbers between which the square root of a non-perfect square whole number less than 225 lies (with and without the use of a number line) [Grade 7]

MST3-7.N.19 [1 occurence] - MST Standard 3 - Number Sense and Operations Strand - Students will compute accurately and make reasonable estimates. [Estimation] - Performance Indicator 7.N.19 - justify the reasonableness of answers using estimation [Grade 7]

MST3-7.A.1 [1 occurence] - MST Standard 3 - Algebra Strand - Students will represent and analyze algebraically a wide variety of problem solving situations. [Variables and Expressions] - Performance Indicator 7.A.1 - translate two-step verbal expressions into algebraic expressions [Grade 7]

MST3-7.A.2 [1 occurence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Variables and Expressions] - Performance Indicator 7.A.2 - add and subtract monomials with exponents of one [Grade 7]

MST3-7.A.3 [1 occurence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Variables and Expressions] - Performance Indicator 7.A.3 - identify a polynomial as an algebraic expression containing one or more terms [Grade 7]

MST3-7.A.4 [2 occurences] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Equations and Inequalities] - Performance Indicator 7.A.4 - solve multi-step equations by combining like terms, using the distributive property, or moving variables to one side of the equation [Grade 7]

MST3-7.A.5 [1 occurence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Equations and Inequalities] - Performance Indicator 7.A.5 - solve one-step inequalities (positive coefficients only) (see 7.g.10) [Grade 7]

MST3-7.A.6 [1 occurence] - MST Standard 3 - Algebra Strand - Students will perform algebraic procedures accurately. [Equations and Inequalities] - Performance Indicator 7.A.6 - evaluate formulas for given input values (surface area, rate, and density problems) [Grade 7]

MST3-7.A.7 [1 occurence] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 7.A.7 - draw the graphic representation of a pattern from an equation or from a table of data [Grade 7]

MST3-7.A.8 [1 occurence] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 7.A.8 - create algebraic patterns using charts/tables, graphs, equations, and expressions [Grade 7]

MST3-7.A.9 [1 occurence] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 7.A.9 - build a pattern to develop a rule for determining the sum of the interior angles of polygons [Grade 7]

MST3-7.A.10 [1 occurence] - MST Standard 3 - Algebra Strand - Students will recognize, use, and represent algebraically patterns, relations, and functions. [Patterns, Relations and Functions] - Performance Indicator 7.A.10 - write an equation to represent a function from a table of values [Grade 7]

MST3-7.G.1 [1 occurence] - MST Standard 3 - Geometry Strand - Students will use visualization and spatial reasoning to analyze characteristics and properties of geometric shapes. [Shapes] - Performance Indicator 7.G.1 - calculate the radius or diameter, given the circumference or area of a circle [Grade 7]

MST3-7.G.2 [1 occurence] - MST Standard 3 - Geometry Strand - Students will use visualization and spatial reasoning to analyze characteristics and properties of geometric shapes. [Shapes] - Performance Indicator 7.G.2 - calculate the volume of prisms and cylinders, using a given formula and a calculator [Grade 7]

MST3-7.G.3 [1 occurence] - MST Standard 3 - Geometry Strand - Students will use visualization and spatial reasoning to analyze characteristics and properties of geometric shapes. [Shapes] - Performance Indicator 7.G.3 - identify the two-dimensional shapes that make up the faces and bases of three-dimensional shapes (prisms, cylinders,

cones, and pyramids) [Grade 7]

MST3-7.G.4 [1 occurence] - MST Standard 3 - Geometry Strand - Students will use visualization and spatial reasoning to analyze characteristics and properties of geometric shapes. [Shapes] - Performance Indicator 7.G.4 - determine the surface area of prisms and cylinders, using a calculator and a variety of methods [Grade 7]

MST3-7.G.5 [1 occurence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 7.G.5 - identify the right angle, hypotenuse, and legs of a right triangle [Grade 7]

MST3-7.G.6 [1 occurence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 7.G.6 - explore the relationship between the lengths of the three sides of a right triangle to develop the pythagorean theorem [Grade 7]

MST3-7.G.7 [1 occurence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 7.G.7 - find a missing angle when given angles of a quadrilateral [Grade 7]

MST3-7.G.8 [1 occurence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 7.G.8 - use the pythagorean theorem to determine the unknown length of a side of a right triangle [Grade 7]

MST3-7.G.9 [1 occurence] - MST Standard 3 - Geometry Strand - Students will identify and justify geometric relationships, formally and informally. [Geometric Relationships] - Performance Indicator 7.G.9 - determine whether a given triangle is a right triangle by applying the pythagorean theorem and using a calculator [Grade 7]

MST3-7.G.10 [1 occurence] - MST Standard 3 - Geometry Strand - Students will apply coordinate geometry to analyze problem solving situations. [Coordinate Geometry] - Performance Indicator 7.G.10 - graph the solution set of an inequality (positive coefficients only) on a number line (see 7.a.5) [Grade 7]

MST3-7.M.1 [1 occurence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.1 - calculate distance using a map scale [Grade 7]

MST3-7.M.2 [1 occurence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.2 - convert capacities and volumes within a given system [Grade 7]

MST3-7.M.3 [1 occurence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.3 - identify customary and metric units of mass [Grade 7]

MST3-7.M.4 [1 occurence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.4 - convert mass within a given system [Grade 7]

MST3-7.M.5 [1 occurence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.5 - calculate unit price using proportions [Grade 7]

MST3-7.M.6 [1 occurence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.6 - compare unit prices [Grade 7]

MST3-7.M.7 [1 occurence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.7 - convert money between different currencies with the use of an exchange rate table and a calculator [Grade 7]

MST3-7.M.8 [1 occurence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Units of Measurement] - Performance Indicator 7.M.8 - draw central angles in a given circle using a protractor (circle graphs) [Grade 7]

MST3-7.M.9 [1 occurence] - MST Standard 3 - Measurement Strand - Students will determine what can be measured and how, using appropriate methods and formulas. [Tools and Methods] - Performance Indicator 7.M.9 - determine the tool and technique to measure with an appropriate level of precision: mass [Grade 7]

MST3-7.M.10 [1 occurence] - MST Standard 3 - Measurement Strand - Students will develop strategies for estimating measurements. [Estimation] - Performance Indicator 7.M.10 - identify the relationships between relative error and magnitude when dealing with large numbers (e.g., money, population) [Grade 7]

MST3-7.M.11 [1 occurence] - MST Standard 3 - Measurement Strand - Students will develop strategies for estimating measurements. [Estimation] - Performance Indicator 7.M.11 - estimate surface area [Grade 7]

MST3-7.M.12 [1 occurence] - MST Standard 3 - Measurement Strand - Students will develop strategies for estimating measurements. [Estimation] - Performance Indicator 7.M.12 - determine personal references for customary /metric units of mass [Grade 7]

MST3-7.M.13 [1 occurence] - MST Standard 3 - Measurement Strand - Students will develop strategies for estimating measurements. [Estimation] - Performance Indicator 7.M.13 - justify the reasonableness of the mass of an object [Grade 7]

MST3-7.S.1 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will collect, organize, display, and analyze data. [Collection of Data] - Performance Indicator 7.S.1 - identify and collect data using a variety of methods [Grade 7]

MST3-7.S.2 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will collect, organize, display, and analyze data. [Organization and Display of Data] - Performance Indicator 7.S.2 - display data in a circle graph [Grade 7]

MST3-7.S.3 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will collect, organize, display, and analyze data. [Organization and Display of Data] - Performance Indicator 7.S.3 - convert raw data into double bar graphs and double line graphs [Grade 7]

MST3-7.S.4 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will collect, organize, display, and analyze data. [Analysis of Data] - Performance

Indicator 7.S.4 - calculate the range for a given set of data [Grade 7]

MST3-7.S.5 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will collect, organize, display, and analyze data. [Analysis of Data] - Performance Indicator 7.S.5 - select the appropriate measure of central tendency [Grade 7]

MST3-7.S.6 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will collect, organize, display, and analyze data. [Analysis of Data] - Performance Indicator 7.S.6 - read and interpret data represented graphically [Grade 7]

MST3-7.S.7 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will make predictions that are based upon data analysis. [Predictions from Data] - Performance Indicator 7.S.7 - identify and explain misleading statistics and graphs [Grade 7]

MST3-7.S.8 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will understand and apply concepts of probability. [Probability] - Performance Indicator 7.S.8 - interpret data to provide the basis for predictions and to establish experimental probabilities [Grade 7]

MST3-7.S.9 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will understand and apply concepts of probability. [Probability] - Performance Indicator 7.S.9 - determine the validity of sampling methods to predict outcomes [Grade 7]

MST3-7.S.10 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will understand and apply concepts of probability. [Probability] - Performance Indicator 7.S.10 - predict the outcome of an experiment [Grade 7]

MST3-7.S.11 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will understand and apply concepts of probability. [Probability] - Performance Indicator 7.S.11 - design and conduct an experiment to test predictions [Grade 7]

MST3-7.S.12 [1 occurence] - MST Standard 3 - Statistics and Probability Strand - Students will understand and apply concepts of probability. [Probability] - Performance Indicator 7.S.12 - compare actual results to predicted results [Grade 7]