

Grade Five Mathematics Curriculum Map 2010

	Content	Skills	Assessment	Activities/Resources
August	4 th Grade Review		~Number Sense and Operations Pre-Test ~Star Math	
September	<u>Number Sense</u> Factors Divisibility Prime Numbers	~Finding factors of numbers ~Divisibility rules ~Prime and composite numbers ~Square numbers ~Prime factorization	~Daily Observations ~Daily Assessment (oral and slate, etc.) ~Math Message ~Tests and Quizzes ~Homework ~Group Discussion ~Class work ~Appropriate Exemplars	~Appropriate math games ~Manipulatives Kit ~Student Reference Book ~Math Journals ~Math Masters ~Math Boxes ~MCAS Practice Questions ~Enrichment/Remediation activities
October	<u>Number Sense</u> Computations Decimals Estimation Place Value	~Adding and subtracting whole numbers and decimals ~Estimation ~Multiplication of whole numbers and decimals ~Place value	~Daily Observations ~Daily Assessment (oral and slate, etc.) ~Math Message ~Tests and Quizzes ~Homework ~Group Discussion ~Class work ~Appropriate Exemplars	~Appropriate math games ~Manipulatives Kit ~Student Reference Book ~Math Journals ~Math Masters ~Math Boxes ~MCAS Practice Questions ~Enrichment/Remediation activities

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November	<u>Geometry</u> Polygons <u>Measurement</u> Angles <u>Number Sense</u> Division	~Types of angles ~Measuring angles ~Properties of polygons ~Tessellations ~Division of whole numbers and decimals	~Daily Observations ~Daily Assessment (oral and slate, etc.) ~Math Message ~Tests and Quizzes ~Homework ~Group Discussion ~Class work ~Appropriate Exemplars	~Appropriate math games ~Manipulatives Kit ~Student Reference Book ~Math Journals ~Math Masters ~Math Boxes ~MCAS Practice Questions ~Enrichment/Remediation activities
December	<u>Number Sense</u> Fractions <u>Data Analysis and Probability</u> Reading and Making Graphs	~Understanding fractions ~Comparing and ordering fractions ~Equivalent fractions ~Converting fractions to decimals ~Reading and making bar and circle graphs	~Daily Observations ~Daily Assessment (oral and slate, etc.) ~Math Message ~Tests and Quizzes ~Homework ~Group Discussion ~Class work ~Appropriate Exemplars	~Appropriate math games ~Manipulatives Kit ~Student Reference Book ~Math Journals ~Math Masters ~Math Boxes ~MCAS Practice Questions ~Enrichment/Remediation activities
January	<u>Data Analysis and Probability</u> Landmarks <u>Number Sense</u> Fractions	~Analyzing data ~Finding median, mode, range, and mean ~Stem and Leaf plots ~Common denominators ~Equivalent fractions ~Addition and Subtraction of fractions	~Daily Observations ~Daily Assessment (oral and slate, etc.) ~Math Message ~Tests and Quizzes ~Homework ~Group Discussion ~Class work ~Appropriate Exemplars	~Appropriate math games ~Manipulatives Kit ~Student Reference Book ~Math Journals ~Math Masters ~Math Boxes ~MCAS Practice Questions ~Enrichment/Remediation activities

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February	<u>Number Sense</u> Exponents Fractions Percents	~Exponential notation ~Powers of ten ~Order of operations ~Negative numbers ~Adding and subtracting mixed numbers ~Percents ~Multiplying fractions	~Daily Observations ~Daily Assessment (oral and slate, etc.) ~Math Message ~Tests and Quizzes ~Homework ~Group Discussion ~Class work ~Appropriate Exemplars	~Appropriate math games ~Manipulatives Kit ~Student Reference Book ~Math Journals ~Math Masters ~Math Boxes ~MCAS Practice Questions ~Enrichment/Remediation activities
March	<u>Geometry</u> Coordinate graphs <u>Measurement</u> Area Volume Capacity <u>Patterns, Relations, Algebra</u> Algebraic expressions	~Coordinate graphs ~Area of rectangles ~Area of triangles ~Area of parallelograms ~Volume of prisms ~Capacity ~Algebraic expressions ~Equations	~Daily Observations ~Daily Assessment (oral and slate, etc.) ~Math Message ~Tests and Quizzes ~Homework ~Group Discussion ~Class work ~Appropriate Exemplars	~Appropriate math games ~Manipulatives Kit ~Student Reference Book ~Math Journals ~Math Masters ~Math Boxes ~MCAS Practice Questions ~Enrichment/Remediation activities
April	<u>Data Analysis and Probability</u> Rules, tables, and graphs Reading graphs <u>Geometry</u> Circles Solids <u>Measurement</u> Volume Surface area	~Rules, tables, and graphs ~Mean, median, mode, range ~Circumference and area of circles ~Volume of solids ~Properties of geometric solids ~Surface Area	~Daily Observations ~Daily Assessment (oral and slate, etc.) ~Math Message ~Tests and Quizzes ~Homework ~Group Discussion ~Class work ~Appropriate Exemplars	~Appropriate math games ~Manipulatives Kit ~Student Reference Book ~Math Journals ~Math Masters ~Math Boxes ~MCAS Practice Questions ~Enrichment/Remediation activities

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May	<u>Data Analysis and Probability</u> Probability <u>Patterns, Relations, Algebra</u> Ratios Rates MCAS Prep	~Multiplication principle of Probability ~Tree diagrams ~Ratios ~Rates	~Daily Observations ~Daily Assessment (oral and slate, etc.) ~Math Message ~Tests and Quizzes ~Homework ~Group Discussion ~Class work ~Appropriate Exemplars	~Appropriate math games ~Manipulatives Kit ~Student Reference Book ~Math Journals ~Math Masters ~Math Boxes ~MCAS Practice Questions ~Enrichment/Remediation activities
June	5 th grade review/6 th grade preview		~Number Sense and Operations Post-Test ~Star Math	