

# TFSD Curriculum Calendar 2009-2010

## Pre-Algebra

Chapters	Skill or Concept	State Standard	Projected Window
	Aug 24th 1st Day Activities		
	Aug 25th Course 3 screening test		
	Aug 26th		
	Aug 27th		
	Aug 28th		
<b>1</b>	<b>Integers and Algebraic Expressions</b>		Start Aug 31st
	Write Algebraic Expressions Evaluate Using Order of Operations		16 Days
	Find Absolute Value of Integers		
	Adding and Subtracting Integers		
	Multiplying and Dividing Integers		
	Use and Identify Properties of Numbers		
	Solving Equations by Adding and Subtracting		
	Solving Equations by Multiplying and Dividing		
<b>2</b>	<b>Rational Numbers</b>		17 Days
	Identify Prime and Composite Numbers, Find GCF		
	Write Equivalent Forms of Rational Numbers		
	Comparing and Ordering Rational Numbers		
	Adding and Subtracting Rational Numbers		
	Multiplying and Dividing Rational Numbers		
	Use Formulas to Solve Problems		
	Write, Simplify, and Evaluate Expressions involving Exponents		
	Write numbers in both Scientific Notation and Standard Form		
	<b>Bench Mark Test 1</b>		October 19th
<b>3</b>	<b>Rational Numbers and the Coordinate Plane</b>		17 Days
	Classify Numbers as Rational or Irrational		
	Use The Pythagorean Theorem to Find Missing Length of a Triangle		
	To Graph Points and Find Distances in the Coordinate Plane		
	Use Equations, Tables, and Graphs to Solve Problems		
	Graph and Describe Translations in the Coordinate Plane		
	To Graph Reflections in the Coordinate Plane and to Identify Lines of Symmetry		
	Graph Rotations and Identify Rotational Symmetry		
<b>4</b>	<b>Applications of Proportions</b>		15 Days

	Write Ratios and Unit Rates to Solve Problems		
	Convert Units Within and Between Metric and Customary System		
	Identify and Solve Proportions		
	Identify Similar Figures and Use Proportions to Find Missing Lengths		
	Graph and Determine the Scale Factor of a Dilation		
	Use Proportions to Solve Problems involving Scale		
	Use Proportion and Similar Figures to Solve Problems		
	<b>Bench Mark Test 2</b>		November 30 <sup>th</sup>
<b>5</b>	<b>Applications of Percent</b>		15 Days
	Convert between Fractions, Decimals, and Percents and Order Rational Numbers		
	Estimate Percents using Decimals and Fractions		
	Use Proportions to Find Part of a Whole, a Whole Amount, or a Percent		
	Use Equations to Solve Problems involving Percent		
	Find Simple Interest		
	Find the Probability and the Sample Space of an Event		
<b>6</b>	<b>Equations and Inequalities</b>		13 Days
	Solving Two-Step Equations		
	Simplifying Algebraic Expressions		
	Solving Multi-Step Equations		
	Solving Equations with Variables on Both Sides		
	Solving Inequalities by Adding and Subtracting		
	Solving Inequalities by Multiplying and Dividing		Total Days: 93
	<b>Bench Mark Test 3</b>		January 25 <sup>th</sup>
<b>7</b>	<b>Geometry</b>		17 Days
	Identify Types of Angles and Find Angle Measures using Relationships		
	Identify Parallel Lines and the Angles Formed		
	Identify Congruent Figures and use them to solve problems		
	Classifying Triangles and Quadrilaterals		
	Find Area of Polygons		
	Find Circumference and Area of a Circle		
<b>8</b>	<b>Measurement</b>		18 Days
	Identify Solids, Parts of Solids, and Skew Line Segments		
	Find Surface Area of Prisms and Cylinders		
	Find Volume of Prisms and Cylinders		
	Use Proportions to Find Missing Measurements of Similar Solids, including Surface Area and Volume		

	<b>Bench Mark Test 4</b>		March 8 <sup>th</sup>
<b>9</b>	<b>Using Graphs to Analyze Data</b>		
	Finding Mean, Median, and Mode		
	Displaying Frequency		
	Reading Graphs Critically		
	Use Stem-and-Leaf Plots to Represent and Interpret Data		
	Making Predictions from Scatter Plots		
	Use Circle Graphs to represent and interpret data		
<b>10</b>	<b>Probability</b>		
	Find Theoretical and Experimental Probability		
	Make Predictions		
	<b>Bench Mark Test 5</b>		April 26 <sup>th</sup>
<b>11</b>	<b>Functions</b>		
	Write rules for Sequences and use rules to find terms		
	Represent Functions with Equations, Tables, and Function Notation		
	Graphing Linear Functions		
	Writing Rules for Linear Functions		
	<b>Final Assessment Algebra I Part I DA</b>		EOC May 28 <sup>th</sup>
<b>12</b>	<b>Polynomials and Properties of Exponents</b>		
	NOT TO BE COVERED		

All Bench Mark Tests are to be given in their original state unless otherwise discussed with the District Department Team (8th Grade Math Teachers). Tests are to be scored on a bubble sheet/scantron

Scores need to be collected one week after estimated test dates