

TFSD Curriculum Calendar 2009-2010

Algebra I

Skill or Concept	STATE Standard	P.S. #	Topic, Task, Content	Projected Window
<ul style="list-style-type: none"> • Simplify and evaluate algebraic expressions • Translate verbal expressions into mathematical expressions • Add, subtract, multiply and divide real number 	Al.1.1.1 Al.1.1.2 Al.1.2.1	1 & 2	Unit 1 – Operations of Real Numbers, Equations, & Functions (Ch 1, Sec 1-5) LABOR DAY – NO SCHOOL	Aug 24-Sep 3 Sep 7
<ul style="list-style-type: none"> • Identify which relations are functions • Find the domain and range of a function • Interpret graphs of functions Convert between fractions, decimals, and percents • Solve problems using decimals, rates, ratios, percents and proportions • Use common formulas • Solve equations using one or more operations • Solve word problems represented by equations 	Al.1.1.1 Al.1.2.1 Al.1.3.1 Al.1.3.2 Al.2.1.1 Al.2.2.1 Al.3.2.2 Al.3.3.1	2	Unit 2 – Linear Equations, Ratios, Percents, & Proportions (Chp 1, Sec 6-7 and Chp 2, Sec 1-4,6-8)	Sep 8 - 25
			DISTRICT ASSESSMENT PART I	Sept 28-30
			FALL ISAT WINDOW	TBA
			STATE TEACHER IN-SERVICE	Oct 1-2
<ul style="list-style-type: none"> • Graph relations and functions • Find the slope of a line • Find the x and y intercepts • Graph linear equations 	Al.2.1.1 Al.3.1.1 Al.3.2.1 Al.3.4.1 Al.5.2.1 Al.5.2.2	3 & 4	Unit 3 – Linear Functions (Chp 3, Sec 1-3)	Sept 30-Oct 16
<ul style="list-style-type: none"> • Write the equation of a line in standard and slope-intercept form • Make predictions from a linear model 	Al.3.1.2 Al.3.2.1 Al.5.2.2	4	Unit 4 – Writing Linear Equations (Chp 4, Sec 1-5)	Oct 19-Nov 5
			END OF 1ST QUARTER – TEACHER IN-SERVICE	Oct 30
			PARENT/TEACHER CONFERENCES –	Nov 2-5

			NO SCHOOL Nov 6	
<ul style="list-style-type: none"> Solve and graph simple inequalities Solve and graph compound inequalities Graph linear inequalities 	AI.1.1.1 AI.1.3.1 AI.3.1.1 AI.3.2.1 AI.3.2.2	2	Unit 5 – Solving & Graphing Inequalities (Chp 5, Sec 1-6 and Chp 2 Sec 5)	Nov 9-24
			THANKSGIVING BREAK – 1:15 DISMISS	Nov 25-27
			8th Grade Direct Math Assessment	TBA
<ul style="list-style-type: none"> Graph systems of equations and inequalities Determine the solution set of a system Solve word problems using systems 	AI.3.1.1 AI.3.2.2	5	Unit 6 - Systems of Linear Equations and Inequalities (Chp 6, Sec 1-5, 8)	Nov 30 – Dec 17
			CHRISTMAS VACATION	Dec. 21 – Jan 3
			DISTRICT ASSESSMENT PART II	Jan 11-12
			SEMESTER FINALS	Jan 14-15
			END OF 2ND QUARTER –1:15 DISMISS	Jan. 15
<ul style="list-style-type: none"> Add, subtract, multiply and divide polynomials Simplify polynomial expressions using properties of exponents 	AI.1.1.1 AI.1.2.1 AI.1.3.1 AI.1.3.3	6	Unit 7– Polynomials (Chp 7, Sec 1-8)	Jan 18-Feb 11
			TEACHER IN-SERVICE PRESIDENTS DAY – NO SCHOOL	Feb. 12 & 15
<ul style="list-style-type: none"> Factor polynomials Solve quadratic equations 	AI.1.3.3 AI.3.2.2	6	Unit 8 - Factoring & Solving Quadratic Equations (Chp 8, Sec 1-6 & Chp 9, Sec 5)	Feb 16 – March 12
			END OF 3RD QUARTER	March 12
			SPRING BREAK	March 15-19
			DISTRICT ASSESSMENT PART III	March 22-26
<ul style="list-style-type: none"> Simplify, add, subtract, multiply and divide radical expressions Solve equations containing radical expressions Find the length of an unknown side of a right triangle using the Pythagorean Theorem 	AI.1.1.1 AI.1.2.1 AI.1.3.1	7 & 8	Unit 9 - Radical Expressions and Equations (Chp 10, Sec 2-3, 5)	March 25 – Apr 20
			TEACHER CONFERENCES/REGISTRATION	April 8-9
<ul style="list-style-type: none"> Simplify, add, subtract, multiply and divide rational expressions Solve equations containing rational expressions Identify excluded values 	AI.1.1.1 AI.1.3.1	6	Unit 10 – Rational Expressions and Equations (Chp 11, Sec 3-6, 8)	April 21 – May18

			SPRING ISAT WINDOW	TBA
			DISTRICT ASSESSMENT PART IV	May 19-24
			DISTRICT ASSESSMENT PART V	May 25-28
			MEMORIAL DAY/ SEMESTER FINALS	May 31/ June 1 & 2
			LAST DAY OF SCHOOL	June 2