

MATH TIMETABLE 2011-2012

Grade 8 Math

1st SIX WEEKS

2 Days –Beginning of School Activities and
27 Days of Instruction
(1 day =45 minutes)

Number of Days	TEKS	Concept
2	First Days of School Campus Activities/Lessons	
Unit 1: The Coordinate Plane, Geometric Transformations, Scientific Notation and Rational Numbers		
1	8.7D	Graphing points on the coordinate plane
2	8.6B	Translations and Reflections only
3	8.1A 8.1E	Compare and order rational numbers with and without technology
1	8.1D	Scientific Notation
2	Assess/Re-teach/Enrich	
Unit 2: Operations with Rational Numbers		
2	*8.2A	Select appropriate operations to solve problems with rational numbers
7	*8.2B	Use appropriate operations to solve problems with rational numbers
1	*8.2C	Check for Reasonableness
2	Assess/Re-teach/Enrich	
Unit 3: Irrational Numbers and the Pythagorean Theorem (completion of unit in 2nd six weeks)		
1	*8.1C	Approximate values of irrational numbers
2	*8.7C	Model Pythagorean Theorem
3	*8.9A	Use Pythagorean Theorem
Everyday	*8.14A, B, C, D *8.15A, B *8.16 A, B	Problem Solving

*Denotes SAT tested

MATH TIMETABLE 2011-2012

Grade 8 Math

2nd SIX WEEKS

29 Teaching Days
(1 day =45 minutes)

Number of Days	TEKS	Concept
Unit 3: Irrational Numbers and the Pythagorean Theorem (Continued)		
3	*8.9A	Use Pythagorean Theorem
2	Assess/Re-teach/Enrich	
Unit 4: Proportionality		
2	*8.1B	Select and use rational problems
2	*8.2D	Multiplication by a constant factor (constant of proportionality)
2	*8.3A	Compare and Contrast proportional and non-proportional rational numbers
5	*8.3B	Estimate and find solutions to application problems in <u>proportional</u> relationships
2	Assess/Re-teach/Enrich	
Unit 5: Patterns, Relationships & Algebraic Thinking		
2	*8.5B	Arithmetic Terms in a sequence
4	*8.5A	Predict, find and justify solutions using tables, graphs and equations
1	8.12B	Scatterplots
3	8.4A	Generate different representations when given another (tables, equations, graphs)
1	Assess/Re-teach/Enrich (2 nd day for this in the 3 rd Six Weeks)	
Everyday	*8.14 A, B, C *8.15 A, B *8.16 A, B	Problem Solving

*Denotes SAT Tested

MATH TIMETABLE 2011-2012

Grade 8 Math

3rd SIX WEEKS

25 Teaching Days
4 Semester Exams and Review Days
(1 day = 45 min)

Number of Days	TEKS	Concept
1	Assess/Re-teach/Enrich (Continued from Unit 5 in 2 nd Six Weeks)	
Unit 6: Percents		
7	*8.3B	Estimate and find solutions to application problems in <u>percent</u> relationships
2	Assess/ Re-teach/Enrich	
Unit 7: Perimeter, Area, and Surface Area		
2	*8.7 B	Composite Figures
10	*8.8 A *8.8C	Lateral & Total Surface Area
1	*8.10 A	Changing dimensions with Perimeter in Area
2	Assess/Re-teach/Enrich	
4	Semester Reviews and Exams	
Everyday	*8.14 A, B, C, D *8.15A, B *8.16 A, B	Problem Solving

*Denotes SAT Tested

MATH TIMETABLE 2011-2012

Grade 8 Math

4th SIX WEEKS

28 Teaching Days
(1 day=45minutes)

Number of Days	TEKS	Concept
Unit 8: Volume		
1	*8.8 B	Connect Models to volume
5	*8.8 C	Volume
1	*8.10 B	Change in dimensions/volume
2	Assess/Re-teach/Enrich	
Unit 9: Similar Figures		
2	8.6 A	Generate similar-dilations
1	*8.6 B	Dilations
2	*8.9 B	Shadows/similar figures find measures
2	Assess/Re-teach/Enrich	
Unit 10: Probability		
4	8.11A	Find Probability of Independent & Dependent Events
2	*8.11B	Use Theoretical & Experimental Probability
1	8.11C	Select and use models to simulate events
2	Assessment/Re-teach/Enrichment	
Begin Unit 11: Statistics (completion of unit in 5th six weeks)		
3	*8.12A	Use variability-central tendency to describe
Everyday	*8.14 A, B, C, D *8.15A, B *8.16 A, B	Problem Solving

*Denotes SAT Tested

MATH TIMETABLE 2011-2012

Grade 8 Math

5th SIX WEEKS

30 Teaching Days
(1 day = 45 minutes)

Number of Days	TEKS	Concept
Complete Unit 11: Statistics		
4	8.12C	Select and use appropriate representations of graphs
4	*8.13B	Recognize misuses of graphical and numerical info
2	8.13A	Evaluate methods of sampling(making inferences)
1	8.7A	Draw 3-D figures from different perspectives
4	Assess/Re-teach/Enrich	
2	All TEKS	STAAR Testing Days
Unit 12: Integer Operations/Algebra Readiness		
6	*8.2B	All operations with integers
2	Assess/Re-teach/Enrich	
5	*8.2B	Solving Equations
Everyday	*8.14 A, B, C, D *8.15A, B *8.16 A, B	Problem Solving

*Denotes SAT Tested

MATH TIMETABLE 2011-2012

Grade 8 Math

6th SIX WEEKS

28 Teaching Days
4 days Semester Exams and Reviews
(1 day = 45 minutes)

Number of Days	TEKS	Concept
Unit 13: Foundations for Algebra		
8	*A4(B)	Commutative, Associative, and Distributive Properties and Simplifying Algebraic Expressions.
2	Assessment	
4	*A4(A)	Functions
1	Assessment	
11	*A4(A)	Transform and Solve Equations
2	Assessment	
4	Semester Exams and Reviews	
Everyday	*8.14 A, B, C, D *8.15A, B *8.16 A, B	Problem Solving

*Denotes SAT Tested