

### Web User Information:

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# Curriculum Map - Math 8

## Six Weeks

1st Six Weeks

## Units

Chapter 1: The Tools of Algebra  
Chapter 2: Integers  
Chapter 3: Equations; 3-1, 3-2, 3-3  
Chapter 12: More Statistics and Probability; 12-1 and 12-2

## Content Objectives/TEKS:

(1) Number, operation, and quantitative reasoning. The student understands that different forms of numbers are appropriate for different situations., (2) Number, operation, and quantitative reasoning. The student selects and uses appropriate operations to solve problems and justify solutions., (4) Patterns, relationships, and algebraic thinking. The student makes connections among various representations of a numerical relationship. The student is expected to generate a different representation of data given another representation of data (such as a table, graph, equation, or verbal description)., (5) Patterns, relationships, and algebraic thinking. The student uses graphs, tables, and algebraic representations to make predictions and solve problems. , (7) Geometry and spatial reasoning. The student uses geometry to model and describe the physical world. , (12) Probability and statistics. The student uses statistical procedures to describe data., (13) Probability and statistics. The student evaluates predictions and conclusions based on statistical data., (16) Underlying processes and mathematical tools. The student uses logical reasoning to make conjectures and verify conclusions.

## Process Objective TEKS

1A, 1B, 2A, 2B, 4, 5A, 7B, 7D, 12A, 12B, 12C, 13B, 14B, 15A, 15B, 16A, 16B

## CCRS Objectives:

Texas College and Career Readiness Standards

I.A.1, I.B.1, II.C.1, II.D.2, III.B.1, III.C.1, IV.D.1, IV.D.2, VI.B.2, VI.B.3, VI.B.4, VI.C.1, VIII.A.1, VIII.A.3, VIII.A.4, VIII.B.1

## Assessment Tools:

Teacher made quizzes  
Teacher made tests  
Get Ready Quizzes Glencoe  
Common Assessment (Obj. 4)  
Binder Test

## History

Started by Kathy Howell (howeka@grisd.net) at 7/19/2010 1:58 PM  
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## Remaining

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# Curriculum Map - Math 8

**Six Weeks**

2nd Six Weeks

**Units**

Chapter 3: Equations; 3-4, 3-5, 3-6, 3-7, 3-8

Chapter 4: Factors and Fractions

Chapter 5: Rational Numbers; 5-1, 5-2, 5-3, 5-4, 5-5, 5-6, 5-7

Chapter 12: More Statistics and Probability; 12-3, 12-4, 12-5, 12-6

**Content Objectives/TEKS:**

(1) Number, operation, and quantitative reasoning. The student understands that different forms of numbers are appropriate for different situations., (2) Number, operation, and quantitative reasoning. The student selects and uses appropriate operations to solve problems and justify solutions., (4) Patterns, relationships, and algebraic thinking. The student makes connections among various representations of a numerical relationship. The student is expected to generate a different representation of data given another representation of data (such as a table, graph, equation, or verbal description)., (5) Patterns, relationships, and algebraic thinking. The student uses graphs, tables, and algebraic representations to make predictions and solve problems. , (7) Geometry and spatial reasoning. The student uses geometry to model and describe the physical world. , (12) Probability and statistics. The student uses statistical procedures to describe data., (13) Probability and statistics. The student evaluates predictions and conclusions based on statistical data., (16) Underlying processes and mathematical tools. The student uses logical reasoning to make conjectures and verify conclusions.

**Process Objective TEKS**

1A, 1B, 1D, 2A, 2B, 4, 5A, 5B, 7B, 12A, 12C, 13B, 16B

**CCRS Objectives:**

Texas College and Career Readiness Standards

I.A1, I.B1, II.B1, II.C1, II.D2, III.B1, IV.D1, IV.D2, VI.B2, VI.B3, VI.B4, VI.C1, VIII.A4

**Assessment Tools:**

Teacher made quizzes

Teacher made tests

Get Ready Quiz - Glencoe

Common assessment (obj. 5)

**History**

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**Remaining**

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# Curriculum Map - Math 8

## Six Weeks

3rd Six Weeks

## Units

Chapter 5: Rational Numbers; 5-6, 5-7, 5-8, 5-9

Chapter 6: Ratio, Proportion, and Percent

Chapter 7: Functions and Graphing; 7-1, 7-2, 7-3, 7-4

Chapter 12: More Statistics and Probability; 12-7, 12-8, 12-10

## Content Objectives/TEKS:

(1) Number, operation, and quantitative reasoning. The student understands that different forms of numbers are appropriate for different situations., (2) Number, operation, and quantitative reasoning. The student selects and uses appropriate operations to solve problems and justify solutions., (3) Patterns, relationships, and algebraic thinking. The student identifies proportional or non-proportional linear relationships in problem situations and solves problems. , (4) Patterns, relationships, and algebraic thinking. The student makes connections among various representations of a numerical relationship. The student is expected to generate a different representation of data given another representation of data (such as a table, graph, equation, or verbal description).. (5) Patterns, relationships, and algebraic thinking. The student uses graphs, tables, and algebraic representations to make predictions and solve problems. , (11) Probability and statistics. The student applies concepts of theoretical and experimental probability to make predictions. , (13) Probability and statistics. The student evaluates predictions and conclusions based on statistical data.

## Process Objective TEKS

1A, 1B, 2A, 2B, 2C, 2D, 3A, 3B, 4, 5A, 11A, 11B, 13A, 13B

## CCRS Objectives:

Texas College and Career Readiness Standards

I.A.1, I.B.1, I.C.1, II.C.1, II.C.2, II.D.2, V.A.1, V.B.1, V.B.2, VI.A.1, VI.B.4, VI.C.1

## Assessment Tools:

Teacher made quizzes

Teacher made tests

Get Ready Quizzes - Glencoe

Common Assessment (obj. 2)

Semester Test

## History

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# Curriculum Map - Math 8

**Six Weeks**

4th Six Weeks

**Units**

Unit 3: Linear Equations, Inequalities, &amp; Functions

Chapter 7; Linear Equations: lessons 7-5 thru 7-8

Chapter 8; Equations and Inequalities

Chapter 9; Real Numbers and Right Triangles

**Content Objectives/TEKS:**

(1) Number, operation, and quantitative reasoning. The student understands that different forms of numbers are appropriate for different situations., (2) Number, operation, and quantitative reasoning. The student selects and uses appropriate operations to solve problems and justify solutions., (3) Patterns, relationships, and algebraic thinking. The student identifies proportional or non-proportional linear relationships in problem situations and solves problems. , (4) Patterns, relationships, and algebraic thinking. The student makes connections among various representations of a numerical relationship. The student is expected to generate a different representation of data given another representation of data (such as a table, graph, equation, or verbal description).. (5) Patterns, relationships, and algebraic thinking. The student uses graphs, tables, and algebraic representations to make predictions and solve problems. , (7) Geometry and spatial reasoning. The student uses geometry to model and describe the physical world. , (9) Measurement. The student uses indirect measurement to solve problems. , (10) Measurement. The student describes how changes in dimensions affect linear, area, and volume measures. , (12) Probability and statistics. The student uses statistical procedures to describe data., (15) Underlying processes and mathematical tools. The student communicates about Grade 8 mathematics through informal and mathematical language, representations, and models., (16) Underlying processes and mathematical tools. The student uses logical reasoning to make conjectures and verify conclusions.

**Process Objective TEKS**

1B, 1C, 2A, 2B, 3A, 3B, 4, 5A, 7B, 7C, 9A, 9B, 10A, 12B, 12C, 15A, 16A

**CCRS Objectives:**

Texas College and Career Readiness Standards

I.B1, I.C1, II.C1, II.C2, III.A3, III.B1, III.C3, IV.B2, IV.C3, IV.D2, VI.C1, VIII.A3, VIII.B1

**Assessment Tools:**

Get Ready Quiz

Mid-Chpater Quiz

End of Chapter Test

Common Assessment

**History**

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**Remaining**

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# Curriculum Map - Math 8

## Six Weeks

5th Six Weeks

## Units

Unit Four: Applying Algebra to Geometry  
Chapter 10; Two-Dimensional Figures  
Chapter 11; Three-Dimensional Figures

## Content Objectives/TEKS:

(1) Number, operation, and quantitative reasoning. The student understands that different forms of numbers are appropriate for different situations., (2) Number, operation, and quantitative reasoning. The student selects and uses appropriate operations to solve problems and justify solutions., (3) Patterns, relationships, and algebraic thinking. The student identifies proportional or non-proportional linear relationships in problem situations and solves problems. , (4) Patterns, relationships, and algebraic thinking. The student makes connections among various representations of a numerical relationship. The student is expected to generate a different representation of data given another representation of data (such as a table, graph, equation, or verbal description) ., (5) Patterns, relationships, and algebraic thinking. The student uses graphs, tables, and algebraic representations to make predictions and solve problems. , (6) Geometry and spatial reasoning. The student uses transformational geometry to develop spatial sense., (7) Geometry and spatial reasoning. The student uses geometry to model and describe the physical world. , (8) Measurement. The student uses procedures to determine measures of three-dimensional figures., (9) Measurement. The student uses indirect measurement to solve problems. , (10) Measurement. The student describes how changes in dimensions affect linear, area, and volume measures. , (11) Probability and statistics. The student applies concepts of theoretical and experimental probability to make predictions. , (12) Probability and statistics. The student uses statistical procedures to describe data., (13) Probability and statistics. The student evaluates predictions and conclusions based on statistical data., (14) Underlying processes and mathematical tools. The student applies Grade 8 mathematics to solve problems connected to everyday experiences, investigations in other disciplines, and activities in and outside of school. , (15) Underlying processes and mathematical tools. The student communicates about Grade 8 mathematics through informal and mathematical language, representations, and models., (16) Underlying processes and mathematical tools. The student uses logical reasoning to make conjectures and verify conclusions.

## Process Objective TEKS

1A, 1B, 1C, 1D, 1E, 2A, 2B, 2C, 2D, 3A, 3B, 4, 5A, 5B, 6A, 6B, 7A, 7B, 7C, 7D, 8A, 8B, 8C, 9A, 9B, 10A, 10B, 11A, 11B, 11C, 12A, 12B, 12C, 13A, 13B, 14A, 14B, 14C, 14D, 15A, 15B, 16A, 16B

## CCRS Objectives:

Texas College and Career Readiness Standards  
I.B1, III.A1, III.B1, III.B3, III.C2, III.C3, IV.C3

## Assessment Tools:

Get Ready Quiz  
Mid-Chapter Quiz  
End of Chapter Test  
Benchmark

## History

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# Curriculum Map - Math 8

**Six Weeks**

6th Six Weeks

**Units**

Unit 5: Extending algebra to Statistics and Polynomials

Chapter 12 - More Statistics and Probability

Chapter 13 - Polynomials and Nonlinear Functions

**Content Objectives/TEKS:**

(1) Number, operation, and quantitative reasoning. The student understands that different forms of numbers are appropriate for different situations., (2) Number, operation, and quantitative reasoning. The student selects and uses appropriate operations to solve problems and justify solutions., (3) Patterns, relationships, and algebraic thinking. The student identifies proportional or non-proportional linear relationships in problem situations and solves problems. , (4) Patterns, relationships, and algebraic thinking. The student makes connections among various representations of a numerical relationship. The student is expected to generate a different representation of data given another representation of data (such as a table, graph, equation, or verbal description). , (5) Patterns, relationships, and algebraic thinking. The student uses graphs, tables, and algebraic representations to make predictions and solve problems. , (11) Probability and statistics. The student applies concepts of theoretical and experimental probability to make predictions. , (12) Probability and statistics. The student uses statistical procedures to describe data., (13) Probability and statistics. The student evaluates predictions and conclusions based on statistical data.

**Process Objective TEKS**

1B, 2A, 2B, 3B, 4, 5A, 11A, 11B, 12A, 12C, 13B

**CCRS Objectives:**

Texas College and Career Readiness Standards

I.B1, II.B1, II.C1, II.C2, II.D2, IV.D1, IV.D2, V.A1, V.B1, V.B2, VI.B2, VI.B3, VI.B4, VI.C1, VII.A2, VII.B1

**Assessment Tools:**

Get Ready Quiz

Mid-Chapter Quiz

End of Chapter Test

Common Assessment

**History**

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