CCSS INTEGRATED PATHWAY MATH I CONTENT MAP

Unit 1: Relationships Between Quantities

Lesson	Sub-lesson number	Title	Standard(s)
Lesson 1	**Interpreting Structure in Expressions**		
	1.1.1	Identifying Terms, Factors, and Coefficients	A–SSE.1a★
	1.1.2	Interpreting Complicated Expressions	A–SSE.1b★
Lesson 2	**Creating Equations and Inequalities in One Variable**		
	1.2.1	Creating Linear Equations in One Variable	A–CED.1★ N–Q.2★ N–Q.3★
	1.2.2	Creating Linear Inequalities in One Variable	A–CED.1★
	1.2.3	Creating Exponential Equations	A–CED.1★
Lesson 3	**Creating and Graphing Equations in Two Variables**		
	1.3.1	Creating and Graphing Linear Equations in Two Variables	A–CED.2★ N–Q.1★
	1.3.2	Creating and Graphing Exponential Equations	A–CED.2★ N–Q.1★
Lesson 4	**Representing Constraints**		
	1.4.1	Representing Constraints	A–CED.3★
Lesson 5	**Rearranging Formulas**		
	1.5.1	Rearranging Formulas	A–CED.4★

Unit 2: Linear and Exponential Relationships

Lesson	Sub-lesson number	Title	Standard(s)
Lesson 1	**Graphs As Solution Sets and Function Notation**		
	2.1.1	Graphing the Set of All Solutions	A–REI.10
	2.1.2	Intersecting Graphs	A–REI.11★
	2.1.3	Domain and Range	F–IF.1
	2.1.4	Function Notation and Evaluating Functions	F–IF.2
Lesson 2	**Solving Linear Inequalities in Two Variables and Systems of Inequalities**		
	2.2.1	Solving Linear Inequalities in Two Variables	A–REI.12
	2.2.2	Solving Systems of Linear Inequalities	A–REI.12
Lesson 3	**Sequences As Functions**		
	2.3.1	Sequences As Functions	F–IF.3

	Interpreting Graphs of Functions		
Lesson 4	2.4.1	Identifying Key Features of Linear and Exponential Graphs	F–IF.4★ F–IF.5★
	2.4.2	Proving Average Rate of Change	F–IF.6★ F–LE.1a★
	2.4.3	Recognizing Average Rate of Change	F–IF.6★ F–LE.1b★ F–LE.1c★
Lesson 5	Analyzing Linear and Exponential Functions		
	2.5.1	Graphing Linear Functions	F–IF.7a★
	2.5.2	Graphing Exponential Functions	F–IF.7e★
Lesson 6	Comparing Functions		
	2.6.1	Comparing Linear Functions	F–IF.9
	2.6.2	Comparing Exponential Functions	F–IF.9
	2.6.3	Comparing Linear to Exponential Functions	F–LE.3★
Lesson 7	Building Functions		
	2.7.1	Building Functions from Context	F–BF.1a★
	2.7.2	Constructing Functions from Graphs and Tables	F–LE.2★
Lesson 8	Operating on Functions and Transformations		
	2.8.1	Operating on Functions	F–BF.1b★
	2.8.2	Transformations of Linear and Exponential Functions	F–BF.3
Lesson 9	Arithmetic and Geometric Sequences		
	2.9.1	Arithmetic Sequences	F–BF.2★
	2.9.2	Geometric Sequences	F–BF.2★
Lesson 10	Interpreting Parameters		
	2.10.1	Interpreting Parameters	F–LE.5★

Unit 3: Reasoning with Equations

Lesson	Sub-lesson number	Title	Standard(s)
Lesson 1	Solving Equations and Inequalities		
	3.1.1	Properties of Equality	A–REI.1
	3.1.2	Solving Linear Equations	A–REI.3
	3.1.3	Solving Linear Inequalities	A–REI.3
	3.1.4	Solving Exponential Equations	A–REI.3
Lesson 2	Solving Systems of Equations		
	3.2.1	Proving Equivalencies	A–REI.5
	3.2.2	Solving Systems of Linear Equations	A–REI.6

Unit 4: Descriptive Statistics

Lesson	Sub-lesson number	Title	Standard(s)
Lesson 1	**Working with a Single Measurement Variable**		
	4.1.1	Representing Data Sets	S–ID.1★
	4.1.2	Comparing Data Sets	S–ID.2★
	4.1.3	Interpreting Data Sets	S–ID.3★
Lesson 2	**Working with Two Categorical and Quantitative Variables**		
	4.2.1	Summarizing Data Using Two-Way Frequency Tables	S–ID.5★
	4.2.2	Solving Problems Given Functions Fitted to Data	S–ID.6a★
	4.2.3	Analyzing Residuals	S–ID.6b★
	4.2.4	Fitting Linear Functions to Data	S–ID.6c★
Lesson 3	**Interpreting Linear Models**		
	4.3.1	Interpreting Slope and *y*-intercept	S–ID.7★
	4.3.2	Calculating and Interpreting the Correlation Coefficient	S–ID.8★
	4.3.3	Distinguishing Between Correlation and Causation	S–ID.9★

Unit 5: Congruence, Proof, and Constructions

Lesson	Sub-lesson number	Title	Standard(s)
Lesson 1	**Introducing Transformations**		
	5.1.1	Defining Terms	G–CO.1
	5.1.2	Transformations As Functions	G–CO.2
	5.1.3	Applying Lines of Symmetry	G–CO.3
Lesson 2	**Defining and Applying Rotations, Reflections, and Translations**		
	5.2.1	Defining Rotations, Reflections, and Translations	G–CO.4
	5.2.2	Applying Rotations, Reflections, and Translations	G–CO.5
Lesson 3	**Constructing Lines, Segments, and Angles**		
	5.3.1	Copying Segments and Angles	G–CO.12
	5.3.2	Bisecting Segments and Angles	G–CO.12
	5.3.3	Constructing Perpendicular and Parallel Lines	G–CO.12
Lesson 4	**Constructing Polygons**		
	5.4.1	Constructing Equilateral Triangles Inscribed in Circles	G–CO.13
	5.4.2	Constructing Squares Inscribed in Circles	G–CO.13
	5.4.3	Constructing Regular Hexagons Inscribed in Circles	G–CO.13
Lesson 5	**Exploring Congruence**		
	5.5.1	Describing Rigid Motions and Predicting the Effects	G–CO.6
	5.5.2	Defining Congruence in Terms of Rigid Motions	G–CO.6
Lesson 6	**Congruent Triangles**		
	5.6.1	Triangle Congruency	G–CO.7
	5.6.2	Explaining ASA, SAS, and SSS	G–CO.8

Unit 6: Connecting Algebra and Geometry Through Coordinates			
Lesson	**Sub-lesson number**	**Title**	**Standard(s)**
Lesson 1	**Slope and Distance**		
	6.1.1	Using Coordinates to Prove Geometric Theorems with Slope and Distance	G–GPE.4 G–GPE.5
	6.1.2	Working with Parallel and Perpendicular Lines	G–GPE.5
Lesson 2	**Lines and Line Segments**		
	6.2.1	Calculating Perimeter and Area	G–GPE.7★

© 2012

WALCH EDUCATION