

**Connecticut Core Integrated Mathematics Curriculum
Based on Connecticut Core Algebra 1, Geometry, and Algebra 2 Curricula**

Units in bold have new unit plans written and in one cases a few new investigations and activities

Pacing Chart Based on 8 units per year.

Integrated Unit	Title	Based on	SAT Correlation
First Year			
1	Patterns	Algebra 1 Unit 1	
2	Linear Equations and Inequalities	Algebra 1 Unit 2	Algebra 1,2,6,8
3	Functions	Algebra 1 Unit 3	Passport 13
4	Linear Functions	Algebra 1 Unit 4	Algebra 3, 9, PSD 5, Passport 2
5	Dimension and Measurement (new title)	Geometry Unit 1 Investigation 1, Activity 3.5.7, and Unit 6 (Investigations 1-3, 6)	Additional Topics 1 and 2
6	Transformations (modified title)	Geometry Unit 1 (all except Investigation 1)	
7	Scatter Plots and Trend Lines	Algebra 1 Unit 5	PSD 4, 9
8	Systems of Linear Equations and Inequalities (modified title)	Algebra 1 Unit 6; add Investigation 1 from Algebra 2 Unit 1	Algebra 4, 5, 7
Second Year			
9	Functions and Inverse Functions	Algebra 2 Unit 1 (less Investigation 1)	Algebra 9; Passport 3, 13
10	Introduction to Quadratic Functions (modified title)	Algebra 1 Unit 8	Passport 5
11	Quadratic Functions and Relations (modified title)	Algebra 2 Unit 2 plus Geometry Unit 5 Activities 1, 7, and 8+	Additional Topics 3, 8; Passport 1, 2, 5, ,7, 10, 11; PSD 4, 5
12	Congruence, Constructions, and Proof	Geometry Unit 2	Additional Topics 6
13	Polygons	Geometry Unit 3	Additional Topics 6
14	Polynomial Functions	Algebra 2 Unit 3	PSD 5, 6; Passport 6, 10, 11, 12
15	Exponential Growth (new title)	Algebra 1 Unit 7	PSD 1, 2, 5, 6
16	Exponential and Logarithmic Functions	Algebra 2 Unit 5	PSD 4, 5; Passport 1, 2, 10, 12

Third Year			
17	Applications of Probability	Geometry Unit 7	Problem Solving 7
18	Inferential Statistics	Algebra 2 Unit 7	PSD 8, 9, 10
19	Similarity and Trigonometry	Geometry Unit 4	Additional Topics 2, 6, 7
20	Circles and Spheres (new title)	Geometry Unit 5 Investigations 2–6 plus Unit 6 Investigations 4 and 5	Additional Topics 4, 5
21	Rational and Power Functions	Algebra 2 Unit 4	PSD 1, 5; Passport 7, 9, 10, 12, 14
22	Trigonometric Functions	Algebra 2 Unit 6	PSD 1, 2, 3, 5; Passport 10, 12; Additional Topics 2, 4, 7
23	Matrices	Algebra 2 Unit 8	Algebra 5, 7
24	Additional Topics in Geometry	Geometry Unit 8	

Pacing Chart Based on 7 units per year.

Integrated Unit	Title	Based on	SAT Correlation
First Year			
1	Patterns	Algebra 1 Unit 1	
2	Linear Equations and Inequalities	Algebra 1 Unit 2	Algebra 1,2,6,8
3	Functions	Algebra 1 Unit 3	Passport 13
4	Linear Functions	Algebra 1 Unit 4	Algebra 3, 9, PSD 5, Passport 2
5	Dimension and Measurement (new title)	Geometry Unit 1 Investigation 1, Activity 3.5.7, and Unit 6 (Investigations 1-3, 6)	Additional Topics 1 and 2
6	Transformations (modified title)	Geometry Unit 1 (all except Investigation 1)	
7	Scatter Plots and Trend Lines	Algebra 1 Unit 5	PSD 4, 9
Second Year			
8	Systems of Linear Equations and Inequalities (modified title)	Algebra 1 Unit 6; add Investigation 1 from Algebra 2 Unit 1	Algebra 4, 5, 7
9	Functions and Inverse Functions	Algebra 2 Unit 1 (less Investigation 1)	Algebra 9; Passport 3, 13
10	Introduction to Quadratic Functions (modified title)	Algebra 1 Unit 8	Passport 5
11	Quadratic Functions and Relations (modified title)	Algebra 2 Unit 2 plus Geometry Unit 5 Activities 1, 7, and 8+	Additional Topics 3, 8; Passport 1, 2, 5, ,7, 10, 11; PSD 4, 5
12	Congruence, Constructions, and Proof	Geometry Unit 2	Additional Topics 6
13	Polygons	Geometry Unit 3	Additional Topics 6
14	Polynomial Functions	Algebra 2 Unit 3	PSD 5, 6; Passport 6, 10, 11, 12

Third Year*			
15	Exponential Growth (new title)	Algebra 1 Unit 7	PSD 1, 2, 5, 6
16	Exponential and Logarithmic Functions	Algebra 2 Unit 5	PSD 4, 5; Passport 1, 2, 10, 12
17	Applications of Probability	Geometry Unit 7	Problem Solving 7
18	Inferential Statistics	Algebra 2 Unit 7	PSD 8, 9, 10
19	Similarity and Trigonometry	Geometry Unit 4	Additional Topics 2, 6, 7
20	Circles and Spheres (new title) (omit Investigation 7)	Geometry Unit 5 Investigations 2–6 plus Unit 6 Investigations 4 and 5	Additional Topics 4, 5
21	Rational and Power Functions (omit Investigations 4 and 5)	Algebra 2 Unit 4	PSD 1, 5; Passport 7, 9, 10, 12, 14
22	Trigonometric Functions (omit Investigation 6)	Algebra 2 Unit 6	PSD 1, 2, 3, 5; Passport 10, 12; Additional Topics 2, 4, 7

* Covers eight units, but with some material omitted from the full course.