

**Ivy Hill Elementary School**  
1st Grade NJCCCS Areas of Focus Pacing for Weekly ECRs

**Grade 1**

Week	Date:	Standard	Area of Focus	Description
1	24-Sep	4.1 Number Sense	4.1.1.A.1	Whole numbers through hundred thousands
2	30-Sep	4.2 Geometric Properties	4.2.1.A.1	Identify&describe relationships of two or more objects in space.
3	8-Oct	4.3 Patterns	4.3.1.A.1	Patterns that grow or shrink w/repeating add/sub/mult/div
4	15-Oct	4.4 Data Analysis	4.4.1.A.2	Bar graphs and tables.
5	22-Oct	4.1 Number Sense	4.1.2.A.1	Commonly used fractions w/denominators 2,3,4,5,6,8, &10
6	29-Oct	4.2 Geometric Properties	4.2.1.A.1	Relative shapes and sizes of figures
7	5-Nov	4.3 Functions	4.3.1.B.1	Functions: Input/Output tables
8	12-Nov	4.4 Data Analysis	4.4.1.A.2	Pictographs
9	23-Nov	4.1 Number Sense	4.1.1.A.2	Whole number place value
10	3-Dec	4.2 Geometric Properties	4.2.1.A.2	Properties of 2D&3D, vertex, edge, face, side, and angle.
11	10-Dec	4.3 Modeling	4.3.1.C.1	Graphs representing change over time.
12	17-Dec	4.4 Probability	4.4.1.B.2	Predicting probabilities: Intuitive and experimental
13	7-Jan	4.1 Number Sense	4.1.1.A.3&5	Odd and even numbers, uses for numbers:counting,labeling,meas.
14	14-Jan	4.2 Geometric Properties	4.2.1.A.2	3D figures:cube, rect prism, sphere, cone,cylinder, and pyramid
15	21-Jan	4.3 Modeling	4.3.1.C.2	Create simple open sentences involving addition or subtraction
16	28-Jan	4.4 Discrete Mathemtatics	4.4.1.C.1	Venn Diagrams
17	4-Feb	4.1 Number Sense	4.1.1.A.6	Compare and order numbers.
18	10-Feb	4.2 Geometric Properties	4.2.1.A.2	2D figures: square, rect, circle,triangle,pentagon,hexagon, octagon
19	18-Feb	4.3 Procedures	4.3.1.D.1	Commutative & Identity properties. Mult by 0
20	25-Feb	4.4 Discrete Mathemtatics	4.4.1.C.2	Combinations: organized lists and charts
21	4-Mar	4.1 Numerical Operations	4.1.1.B.1	Problem solving: Addition/Subtraction/Multiplication/Division.
22	11-Mar	4.2 Geometric Properties	4.2.1.A.3	2D shapes: Same size, same shape & lines of symmetry
23	18-Mar	4.3 Procedures	4.3.1.D.2	Concept of equals, less than, greater than and its symbols
24	25-Mar	4.4 Discrete Mathemtatics	4.4.1.D.3	Determining smallest number of colors needed to color a map.
25	1-Apr	4.1 Numerical Operations	4.1.1.B.2	Multiplication and Division facts, skip counting, repeated subtract.
26	8-Apr	4.2 Geometric Properties	4.2.1.A.4	Lines, line segment, endpoint, angles and circles.
27	15-Apr	4.1 Numerical Operations	4.1.1.B.3&4	Computation: 3 digit Addition & Subtraction, 2digit by 1 digit Mult.
28	29-Apr	4.2 Geometric Properties	4.2.1.A.5	Recognize,describe,extend,and create space-filling patterns.
29	6-May	4.1 Numerical Operations	4.1.1.B.5	Computations with money. Cents notation.
30	13-May	4.2 Transforming Shapes	4.2.1.B.1	Transformations: Flips, Slides, and Turns.
31	20-May	4.1 Estimation	4.1.1.C.1&2	Judging without counting if a set has less or more than reference set
32	27-May	4.2 Coordinate Geometry	4.2.1.C.1	Locate and name points in the first quadrant on a coordinate grid
33	3-Jun	4.2 Units of Measurement	4.2.1.D.1&2	Selecting approp. units of meas. for length,area,weight,capacity
34	10-Jun	4.2 Measuring Objects	4.2.1.E.1&2	Area and Perimeter of 2D shapes on a square grid.
35	17-Jun	4.2 Measuring Objects	4.2.1.E.3	Measuring volume of 3D figures.
<b>Additional CPI's</b>				
		4.1 Numerical Operations	4.1.1.B.6	Select approp. computational method to solve a problem.
		4.1 Numerical Operations	4.1.1.B.7	Checking reasonableness of results of computations.
		4.1 Estimation	4.1.1.C.4	Use estimation to determine reasonableness of an answer.

**Ivy Hill Elementary School**  
**2nd Grade NJCCCS Areas of Focus Pacing for Weekly ECRs**

**Grade 2**

Week	Date	Standard	Area of Focus	Description
1	24-Sep	4.1 Number Sense	4.1.2.A.1	Whole numbers through hundred thousands
2	30-Sep	4.2 Geometric Properties	4.2.2.A.1	Identify&describe relationships of two or more objects in space.
3	8-Oct	4.3 Patterns	4.3.2.A.1	Patterns that grow or shrink w/repeating add/sub/mult/div
4	15-Oct	4.4 Data Analysis	4.4.2.A.2	Bar graphs and tables.
5	22-Oct	4.1 Number Sense	4.1.2.A.1	Commonly used fractions w/denominators 2,3,4,5,6,8, &10
6	29-Oct	4.2 Geometric Properties	4.2.2.A.1	Relative shapes and sizes of figures
7	5-Nov	4.3 Functions	4.3.2.B.1	Functions: Input/Output tables
8	12-Nov	4.4 Data Analysis	4.4.2.A.2	Pictographs
9	23-Nov	4.1 Number Sense	4.1.2.A.2	Whole number place value
10	3-Dec	4.2 Geometric Properties	4.2.2.A.2	Properties of 2D&3D, vertex, edge, face, side, and angle.
11	10-Dec	4.3 Modeling	4.3.2.C.1	Graphs representing change over time.
12	17-Dec	4.4 Probability	4.4.2.B.2	Predicting probabilities: Intuitive and experimental
13	7-Jan	4.1 Number Sense	4.1.2.A.3&5	Odd and even numbers, uses for numbers:counting,labeling,meas.
14	14-Jan	4.2 Geometric Properties	4.2.2.A.2	3D figures:cube, rect prism, sphere, cone,cylinder, and pyramid
15	21-Jan	4.3 Modeling	4.3.2.C.2	Create simple open sentences involving addition or subtraction
16	28-Jan	4.4 Discrete Mathematics	4.4.2.C.1	Venn Diagrams
17	4-Feb	4.1 Number Sense	4.1.2.A.6	Compare and order numbers.
18	10-Feb	4.2 Geometric Properties	4.2.2.A.2	2D figures: square, rect, circle,triangle,pentagon,hexagon, octagon
19	18-Feb	4.3 Procedures	4.3.2.D.1	Commutative & Identity properties. Mult by 0
20	25-Feb	4.4 Discrete Mathematics	4.4.2.C.2	Combinations: organized lists and charts
21	4-Mar	4.1 Numerical Operations	4.1.2.B.1	Problem solving: Addition/Subtraction/Multiplication/Division.
22	11-Mar	4.2 Geometric Properties	4.2.2.A.3	2D shapes: Same size, same shape & lines of symmetry
23	18-Mar	4.3 Procedures	4.3.2.D.2	Concept of equals, less than, greater than and its symbols
24	25-Mar	4.4 Discrete Mathematics	4.4.2.D.3	Determining smallest number of colors needed to color a map.
25	1-Apr	4.1 Numerical Operations	4.1.2.B.2	Multiplication and Division facts, skip counting, repeated subtract.
26	8-Apr	4.2 Geometric Properties	4.2.2.A.4	Lines, line segment, endpoint, angles and circles.
27	15-Apr	4.1 Numerical Operations	4.1.2.B.3&4	Computation: 3 digit Addition & Subtraction, 2digit by 1digit Mult.
28	29-Apr	4.2 Geometric Properties	4.2.2.A.5	Recognize,describe,extend,and create space-filling patterns.
29	6-May	4.1 Numerical Operations	4.1.2.B.5	Computations with money. Cents notation.
30	13-May	4.2 Transforming Shapes	4.2.2.B.1	Transformations: Flips, Slides, and Turns.
31	20-May	4.1 Estimation	4.1.2.C.1&2	Judging without counting if a set has less or more than reference set
32	27-May	4.2 Coordinate Geometry	4.2.2.C.1	Locate and name points in the first quadrant on a coordinate grid
33	3-Jun	4.2 Units of Measurement	4.2.2.D.1&2	Selecting approp. units of meas. for length,area,weight,capacity
34	10-Jun	4.2 Measuring Objects	4.2.2.E.1&2	Area and Perimeter of 2D shapes on a square grid.
35	17-Jun	4.2 Measuring Objects	4.2.2.E.3	Measuring volume of 3D figures.
<b>Additional CPI's</b>				
		4.1 Numerical Operations	4.1.2.B.6	Select approp. computational method to solve a problem.
		4.1 Numerical Operations	4.1.2.B.7	Checking reasonableness of results of computations.
		4.1 Estimation	4.1.2.C.4	Use estimation to determine reasonableness of an answer.

**Ivy Hill Elementary School**  
3rd Grade NJCCCS Areas of Focus Pacing for Weekly ECRs

**Grade 3**

Week	Date	Standard	Area of Focus	Description
1	24-Sep	4.1 Number Sense	4.1.3.A.1	Whole numbers through hundred thousands
2	30-Sep	4.2 Geometric Properties	4.2.3.A.1	Identify&describe relationships of two or more objects in space.
3	8-Oct	4.3 Patterns	4.3.3.A.1	Patterns that grow or shrink w/repeating add/sub/mult/div
4	15-Oct	4.4 Data Analysis	4.4.3.A.2	Bar graphs and tables.
5	22-Oct	4.1 Number Sense	4.1.3.A.1	Commonly used fractions w/denominators 2,3,4,5,6,8, &10
6	29-Oct	4.2 Geometric Properties	4.2.3.A.1	Relative shapes and sizes of figures
7	5-Nov	4.3 Functions	4.3.3.B.1	Functions: Input/Output tables
8	12-Nov	4.4 Data Analysis	4.4.3.A.2	Pictographs
9	23-Nov	4.1 Number Sense	4.1.3.A.2	Whole number place value
10	3-Dec	4.2 Geometric Properties	4.2.3.A.2	Properties of 2D&3D, vertex, edge, face, side, and angle.
11	10-Dec	4.3 Modeling	4.3.3.C.1	Graphs representing change over time.
12	17-Dec	4.4 Probability	4.4.3.B.2	Predicting probabilities: Intuitive and experimental
13	7-Jan	4.1 Number Sense	4.1.3.A.3&5	Odd and even numbers, uses for numbers:counting,labeling,meas.
14	14-Jan	4.2 Geometric Properties	4.2.3.A.2	3D figures:cube, rect prism, sphere, cone,cylinder, and pyramid
15	21-Jan	4.3 Modeling	4.3.3.C.2	Create simple open sentences involving addition or subtraction
16	28-Jan	4.4 Discrete Mathematatics	4.4.3.C.1	Venn Diagrams
17	4-Feb	4.1 Number Sense	4.1.3.A.6	Compare and order numbers.
18	10-Feb	4.2 Geometric Properties	4.2.3.A.2	2D figures: square, rect, circle,triangle,pentagon,hexagon, octagon
19	18-Feb	4.3 Procedures	4.3.3.D.1	Commutative & Identity properties. Mult by 0
20	25-Feb	4.4 Discrete Mathematatics	4.4.3.C.2	Combinations: organized lists and charts
21	4-Mar	4.1 Numerical Operations	4.1.3.B.1	Problem solving: Addition/Subtraction/Multiplication/Division.
22	11-Mar	4.2 Geometric Properties	4.2.3.A.3	2D shapes: Same size, same shape & lines of symmetry
23	18-Mar	4.3 Procedures	4.3.3.D.2	Concept of equals, less than, greater than and its symbols
24	25-Mar	4.4 Discrete Mathematatics	4.4.3.D.3	Determining smallest number of colors needed to color a map.
25	1-Apr	4.1 Numerical Operations	4.1.3.B.2	Multiplication and Division facts, skip counting, repeated subtract.
26	8-Apr	4.2 Geometric Properties	4.2.3.A.4	Lines, line segment, endpoint, angles and circles.
27	15-Apr	4.1 Numerical Operations	4.1.3.B.3&4	Computation: 3 digit Addition & Subtraction, 2digit by 1digit Mult.
28	29-Apr	4.2 Geometric Properties	4.2.3.A.5	Recognize,describe,extend,and create space-filling patterns.
29	6-May	4.1 Numerical Operations	4.1.3.B.5	Computations with money. Cents notation.
30	13-May	4.2 Transforming Shapes	4.2.3.B.1	Transformations: Flips, Slides, and Turns.
31	20-May	4.1 Estimation	4.1.3.C.1&2	Judging without counting if a set has less or more than reference set
32	27-May	4.2 Coordinate Geometry	4.2.3.C.1	Locate and name points in the first quadrant on a coordinate grid
33	3-Jun	4.2 Units of Measurement	4.2.3.D.1&2	Selecting approp. units of meas. for length,area,weight,capacity
34	10-Jun	4.2 Measuring Objects	4.2.3.E.1&2	Area and Perimeter of 2D shapes on a square grid.
35	17-Jun	4.2 Measuring Objects	4.2.3.E.3	Measuring volume of 3D figures.
<b>Additional CPI's</b>				
		4.1 Numerical Operations	4.1.3.B.6	Select approp. computational method to solve a problem.
		4.1 Numerical Operations	4.1.3.B.7	Checking reasonableness of results of computations.
		4.1 Estimation	4.1.3.C.4	Use estimation to determine reasonableness of an answer.

**Ivy Hill Elementary School**  
4th Grade NJCCCS Areas of Focus Pacing for Weekly ECRs

**Grade 4**

Week	Date:	Standard	Area of Focus	Description
1	24-Sep	4.1 Number Sense	4.1.4.A.1	Whole numbers through millions.
2	30-Sep	4.2 Geometric Properties	4.2.4.A.1	Identify&describe relationships of two or more objects in space.
3	8-Oct	4.3 Patterns	4.3.4.A.1	Describing patterns, finite and infinite sequences.
4	15-Oct	4.4 Data Analysis	4.4.4.A.2	Bar graphs and tables.
5	22-Oct	4.1 Number Sense	4.1.4.A.1	Commonly used fractions w/denominators 2,3,4,5,6,8,10,12&16
6	29-Oct	4.2 Geometric Properties	4.2.4.A.1	Relative shapes and sizes, shadows of everyday objects
7	5-Nov	4.3 Patterns	4.3.4.A.1	Patterns that grow or shrink w/repeating add/sub/mult/div
8	12-Nov	4.4 Data Analysis	4.4.4.A.2	Pictographs
9	23-Nov	4.1 Number Sense	4.1.4.A.1	Decimals through hundredths
10	3-Dec	4.2 Geometric Properties	4.2.4.A.2	Properties of 2D&3D, vertex, edge, face, side, angle. 3D figures
11	10-Dec	4.3 Functions	4.3.4.B.1	Input/Output tables, combining two function machines, reversing
12	17-Dec	4.4 Data Analysis		Line plot and line graph
13	7-Jan	4.1 Number Sense	4.1.4.A.2	Place value: Millions to hundredths.
14	14-Jan	4.2 Geometric Properties	4.2.4.A.2	2D: triangle, all quadrilaterals, pentagon, hexagon,octagon,circles
15	21-Jan	4.3 Modeling	4.3.4.C.1	Graphs representing change over time.
16	28-Jan	4.4 Probability	4.4.4.B.1	Likely, unlikely, certain, impossible, improbable, fair, unfair
17	4-Feb	4.1 Number Sense	4.1.4.A.3	Relative magnitude of numbers.
18	10-Feb	4.2 Geometric Properties	4.2.4.A.3	2D shapes: Congruence and lines of symmetry
19	18-Feb	4.3 Modeling	4.3.4.C.2	Construct and solve simple open sentences w/ one operation.
20	25-Feb	4.4 Probability	4.4.4.B.2	Determine probabilities of simple events based on equally likely.
21	4-Mar	4.1 Number Sense	4.1.4.A.4	Various uses of numbers: counting,measuring and labeling
22	11-Mar	4.2 Geometric Properties	4.2.4.A.4	Point,line, line segment, endpoint, parallel, and perpendicular.
23	18-Mar	4.3 Procedures	4.3.4.D.1	Commutative, Associative, & Identity properties. Mult/Div by 0
24	25-Mar	4.4 Probability	4.4.4.B.3	Experimental Probability.
25	1-Apr	4.1 Number Sense	4.1.4.A.6	Compare and order numbers.
26	8-Apr	4.2 Geometric Properties	4.2.4.A.4	Angles: acute,right,obtuse & Circles: diameter,radius,center
27	15-Apr	4.3 Procedures	4.3.4.D.1	Concept of equals, less than, greater than and its symbols
28	29-Apr	4.4 Probability	4.4.4.B.3	Theoretical probability
29	6-May	4.1 Number Sense	4.1.4.A.7	Negative numbers: Temperature and on number line.
30	13-May	4.2 Transforming Shapes	4.2.4.B.1	Tesselations: using simple shapes to cover an area without gaps.
31	20-May	4.1 Number Sense	4.1.4.A.5	Equivalent forms of whole numbers, fractions, and decimals.
32	27-May	4.2 Coordinate Geometry	4.2.4.C.2	Use coordinates to give or follow directions from point to point.
33	3-Jun	4.1 Numerical Operations	4.1.4.B.2	Multiplication and Division facts.
34	10-Jun	4.4 Discrete Mathemtatics	4.4.4.C.2	Combinations: organized lists, charts, and tree diagrams
35	17-Jun	4.1 Numerical Operations	4.1.4.B.1	Problem solving: Addition/Subtraction/Multiplication/Division.
<b>Additional CPI's</b>				
		4.1 Numerical Operations	4.1.4.B.3	Calculations with whole numbers
		4.1 Numerical Operations	4.1.4.B.6	Calculations with money.
		4.1 Numerical Operations	4.1.4.B.7	Selecting appropriate calculation method.
		4.1 Numerical Operations	4.1.4.B.8	Determining the reasonableness of a result
		4.1 Numerical Operations	4.1.4.B.9&10	Inverse relationships bet Addition&Subtraction, Mult&Division.
		4.1 Estimation	4.1.4.C.2	Estimation
		4.1 Estimation	4.1.4.C.3	Difference between estimates and exact answer.
		4.1 Estimation	4.1.4.C.4	Using estimation to determine reasonableness of an answer.
		4.2 Units of Measurement	4.2.4.D.2	Appropriate units for measurement
		4.2 Units of Measurement	4.2.4.D.5	Problems involving elapsed time.

**Ivy Hill Elementary School**  
5th Grade NJCCCS Areas of Focus Pacing for Weekly ECRs

**Grade 5**

Week	Date	Standard	Area of Focus	Description
1	24-Sep	4.1 Number Sense	4.1.5.A.1	Fractions as part of whole, fractions on a number line.
2	30-Sep	4.2 Geometric Properties	4.2.5.A.1	Lines, rays, angles, segments, parallel, perpen., intersecting
3	8-Oct	4.3 Patterns	4.3.5.A.1	Recognize, describe, extend, and create patterns
4	15-Oct	4.4 Data Analysis	4.4.5.A.2	Bar graphs, Line graphs, and tables.
5	22-Oct	4.1 Number Sense	4.1.5.A.1	All decimals.
6	29-Oct	4.2 Geometric Properties	4.2.5.A.1	Sum of interior angles of a triangle add up to 180 degrees.
7	5-Nov	4.3 Functions	4.3.5.B.1	Describe arithmetic operations as functions.
8	12-Nov	4.4 Data Analysis	4.4.5.A.2	Circle graphs and Measures of Central Tendency
9	23-Nov	4.1 Number Sense	4.1.5.A.2	Decimal nature of money and compute with money.
10	3-Dec	4.2 Geometric Properties	4.2.5.A.2	Identify, describe, compare, and classify polygons and circles.
11	10-Dec	4.3 Functions	4.3.5.B.2	Graph points from t-tables, verbal rules, and simple equations.
12	17-Dec	4.4 Data Analysis	4.4.5.A.3	Respond to questions about data & create own questions
13	7-Jan	4.1 Number Sense	4.1.5.A.3	Understand relative magnitude of numbers.
14	14-Jan	4.2 Geometric Properties	4.2.5.A.3&4	Similar figures. Congruence and symmetry (line & rotational)
15	21-Jan	4.3 Modeling	4.3.5.C.1	Modeling situations using number sentences.
16	28-Jan	4.4 Probability	4.4.5.B.1	Probability of event, prob of certain = 1, prob of impossible=0
17	4-Feb	4.1 Number Sense	4.1.5.A.4	Equivalent forms of fractions, decimals and percents.
18	10-Feb	4.2 Transforming Shapes	4.2.5.B.1	Translations, reflections and rotations.
19	18-Feb	4.3 Modeling	4.3.5.C.2	Drawing sketches of graphs. Rates of change.
20	25-Feb	4.4 Probability	4.4.5.B.2	Experimental Probability
21	4-Mar	4.1 Number Sense	4.1.5.A.5	Primes, factors and multiples.
22	11-Mar	4.2 Transforming Shapes	4.2.5.A.2	Recognize, and desc geometric relationships in real world
23	18-Mar	4.3 Procedures	4.3.5.D.1	Solving linear equations. Variable on one side of equation.
24	25-Mar	4.4 Probability	4.4.5.B.2	Theoretical Probability
25	1-Apr	4.1 Numerical Operations	4.1.5.B.1	Recognize appropriate use arithmetic operations in problems.
26	8-Apr	4.2 Coordinate Geometry	4.2.5.C.1	Create geometric shapes in first Quadrant of coord grid.
27	15-Apr	4.1 Numerical Operations	4.1.5.B.6	Commutative, Associative, & Identity properties. Mult/Div by 0
28	29-Apr	4.4 Discrete Mathematatics	4.4.5.C.1	Counting Probs: Organized lists, charts & tables.
29	6-May	4.1 Numerical Operations	4.1.5.B.2	Calculations with fractions and decimals.
30	13-May	4.2 Units of Measurement	4.2.5.D.1	Appropriate units of measuring angles and area.
31	20-May	4.1 Estimation	4.1.5.C.3	Use estimation to determine reasonableness of an answer.
32	27-May	4.4 Discrete Mathematatics	4.4.5.C.1	Counting Probs: Tree diagrams.
33	3-Jun	4.1 Numerical Operations	4.1.5.B.3	Division of a 3 digit by 2 digit numbers.
34	10-Jun	4.2 Units of Measurement	4.2.5.D.2	Convert measuring units within system. Feet to inches, etc.
35	17-Jun	4.4 Discrete Mathematatics	4.4.5.D.1	Devise strategies for winning simple games.
<b>Additional CPI's</b>				
		4.1 Estimation	4.1.5.C.4	Determining overestimates and underestimates.
		4.2 Measuring Objects	4.2.5.E.1	Use a protractor to measure angles.
		4.2 Measuring Objects	4.2.5.E.2	Perimeter and Area using formulas
		4.2 Measuring Objects	4.2.5.E.3	Rectangles with same Perimeter but diff Areas, and vice-versa
		4.2 Measuring Objects	4.2.5.E.4	Approximate measures of familiar objects.
		4.2 Units of Measurement	4.2.5.D.3&4	Approx. equivalents bet 2 systems, e.g., 1km = 0.6 mi.

**Ivy Hill Elementary School**  
6th Grade NJCCCS Areas of Focus Pacing for Weekly ECRs

**Grade 6**

Week	Date	Standard	Area of Focus	Description
1	24-Sep	4.1 Number Sense	4.1.6.A.1	The number sys through integers, incl. fractions as part of whole
2	30-Sep	4.2 Geometric Properties	4.2.6.A.1	Lines, rays, angles, segments, parallel, perpen., intersecting
3	8-Oct	4.3 Patterns	4.3.6.A.1	Recognize, describe, extend, and create patterns
4	15-Oct	4.4 Data Analysis	4.4.6.A.2	Bar graphs and Line graphs.
5	22-Oct	4.1 Number Sense	4.1.6.A.1	All decimals.
6	29-Oct	4.2 Geometric Properties	4.2.6.A.1	Sum of interior angles of a triangle add up to 180 degrees.
7	5-Nov	4.3 Patterns	4.3.6.A.1	Recursive patterns, e.g., Pascal's Triangle, Next=Now+Previous
8	12-Nov	4.4 Data Analysis	4.4.6.A.2	Circle graphs and Histograms
9	23-Nov	4.1 Number Sense	4.1.6.A.3	Magnitude of numbers.
10	3-Dec	4.2 Geometric Properties	4.2.6.A.2	Identify, describe, compare, and classify polygons and circles.
11	10-Dec	4.3 Functions	4.3.6.B.1	Describe general behavior of functions (increasing/decreasing)
12	17-Dec	4.4 Data Analysis	4.4.6.A.2	Mean, median, mode and range.
13	7-Jan	4.1 Number Sense	4.1.6.A.5	Whole number percents bet 1 and 100.
14	14-Jan	4.2 Geometric Properties	4.2.6.A.5	Properties of cylinders, prisms, cones, pyramids, and spheres
15	21-Jan	4.3 Modeling	4.3.6.C.1	Modeling situations using patterns and linear functions.
16	28-Jan	4.4 Probability	4.4.6.B.1	Probability of event, complementary event, Mult. rule for Prob.
17	4-Feb	4.1 Number Sense	4.1.6.A.7	Primes, factors, multiples, common multiples, LCM, GCF
18	10-Feb	4.2 Geometric Properties	4.2.6.A.6	Projections of 3D objects from diff perspectives.
19	18-Feb	4.3 Modeling	4.3.6.C.2	Drawing sketches of graphs. Rates of change.
20	25-Feb	4.4 Probability	4.4.6.B.2	Experimental Probability
21	4-Mar	4.1 Number Sense	4.1.6.A.8	Compare and order numbers
22	11-Mar	4.2 Transforming Shapes	4.2.6.A.7	Identify 3D objects when given projections (top, front, side views)
23	18-Mar	4.3 Procedures	4.3.6.D.1	Solving linear equations. Variable on one or both sides.
24	25-Mar	4.4 Probability	4.4.6.B.2	Theoretical Probability
25	1-Apr	4.1 Numerical Operations	4.1.6.B.1	Recognize appropriate use arithmetic operations in problems.
26	8-Apr	4.2 Geometric Properties	4.2.6.A.8	Identify 3D objects when given the net
27	15-Apr	4.3 Procedures	4.3.6.D.2	Distributive property and product of reciprocals.
28	29-Apr	4.4 Discrete Mathemtatics	4.4.6.C.1	Counting Probs: Organized lists, charts, tree diagrams, & tables.
29	6-May	4.1 Numerical Operations	4.1.6.B.2	Calculations with fractions and decimals.
30	13-May	4.2 Transforming Shapes	4.2.6.B.1	Translations, reflections and rotations.
31	20-May	4.3 Procedures	4.3.6.D.3	Evaluate numerical expressions.
32	27-May	4.4 Discrete Mathemtatics	4.4.6.C.1	Using Venn diagrams to solve counting problems.
33	3-Jun	4.1 Numerical Operations	4.1.6.B.5	Finding squares and cubes of whole numbers.
34	10-Jun	4.2 Coordinate Geometry	4.2.6.C.1	Create geometric shapes in first Quadrant of coord grid.
35	17-Jun	4.4 Discrete Mathemtatics	4.3.6.C.2	Multiplication counting principle.
<b>Additional CPI's</b>				
		4.1 Numerical Operations	4.1.6.B.7	Distributive property, Commutative, Associative, Identity
		4.1 Numerical Operations	4.1.6.B.8	Order of operations (PEMDAS)
		4.2 Units of Measurement	4.2.6.E.1	Appropriate units of measuring angles, area, surf. area, and vol.
		4.2 Units of Measurement	4.2.6.E.2	Using scale on a map.
		4.2 Units of Measurement	4.2.6.E.5	Using measurements to describe phenomena
		4.4 Discrete Mathemtatics	4.4.6.C.3	Combinations, handshake problem.
		4.4 Discrete Mathemtatics	4.4.6.D.2	Vertex-edge graphs
		4.4 Discrete Mathemtatics	4.4.6.D.3	Shortest route problems

**Ivy Hill Elementary School**  
7th Grade NJCCCS Areas of Focus Pacing for Weekly ECRs

**Grade 7**

Week	Date:	Standard	Area of Focus	Description
1	24-Sep	4.1 Number Sense	4.1.7.A.1	The number system through rational numbers.
2	30-Sep	4.2 Geometric Properties	4.2.7.A.1	Properties of polygons
3	8-Oct	4.3 Patterns	4.3.7.A.1	Recognize, describe, extend, and create patterns
4	15-Oct	4.4 Data Analysis	4.4.7.A.1	Measures of central tendency (mean, median, & mode)
5	22-Oct	4.1 Number Sense	4.1.7.A.2	Magnitude of numbers.
6	29-Oct	4.2 Geometric Properties	4.2.7.A.2	Similarity and using proportions.
7	5-Nov	4.3 Patterns	4.3.7.A.1	Finite and infinite sequences.
8	12-Nov	4.4 Data Analysis	4.4.7.A.1	Box and Whisker Plots.
9	19-Nov	4.1 Number Sense	4.1.7.A.3	Use of ratios, proportions, and percents.
10	3-Dec	4.2 Geometric Properties	4.2.7.A.2	Scale drawings and models of 3D objects (proportions)
11	10-Dec	4.3 Functions	4.3.7.B.1	Graphing functions and their general behavior.
12	17-Dec	4.4 Data Analysis	4.4.7.A.1	Scatter plots.
13	7-Jan	4.1 Number Sense	4.1.7.A.4	Comparing and ordering numbers.
14	14-Jan	4.2 Transforming Shapes	4.2.7.B.1	Transformations, pre-image and image.
15	21-Jan	4.3 Modeling	4.3.7.C.1	How one quantity changes another in a function
16	28-Jan	4.4 Probability	4.4.7.B.3	Experimental and Theoretical probabilities.
17	4-Feb	4.1 Number Sense	4.1.7.A.5	Equivalent whole numbers, fractions, decimals and percents.
18	10-Feb	4.2 Transforming Shapes	4.2.7.B.1	Dilations.
19	18-Feb	4.3 Modeling	4.3.7.C.2	Modeling situations, (e.g., NOW - NEXT formulas)
20	25-Feb	4.4 Probability	4.4.7.B.4	Concept of Fairness and Expected Value.
21	4-Mar	4.1 Number Sense	4.1.7.B.1	Calculations with integers.
22	11-Mar	4.2 Transforming Shapes	4.2.7.C.1	Using coordinates in all four quadrants.
23	18-Mar	4.3 Modeling	4.3.7.D.1	Graphing on a number line.
24	25-Mar	4.4 Probability	4.4.7.C.1	Permutations. Counting Principle.
25	1-Apr	4.1 Numerical Operations	4.1.7.B.2	Using exponents.
26	8-Apr	4.2 Transforming Shapes	4.2.7.C.2	Transformations on coordinate grid.
27	15-Apr	4.3 Procedures	4.3.7.D.2	Solving linear equations.
28	29-Apr	4.4 Discrete Mathematics	4.4.7.C.3	Systematic listing and counting.
29	6-May	4.1 Numerical Operations	4.1.7.B.3	Orders of operations.
30	13-May	4.2 Units of Measurement	4.2.7.D.1	Measurement using different units.
31	20-May	4.3 Procedures	4.3.7.D.3	Algebraic expressions.
32	27-May	4.4 Discrete Mathematics	4.4.7.D.1	Vertex-Edge graphs.
<b>Additional CPI's</b>				
		4.1 Estimation	4.1.7.C.1	Equivalent fractions, decimals and percents
		4.2 Units of Measurement	4.2.7.D.2	Selecting appropriate units of measurement
		4.2 Measuring	4.2.7.E.1	Perimeter and Area
		4.2 Measuring	4.2.7.E.2	Volume of cones and pyramids
		4.3 Procedures	4.3.7.D.4	Properties of operations and inverses.

**Ivy Hill Elementary School**  
8th Grade NJCCCS Areas of Focus Pacing for Weekly ECRs

**Grade 8**

Week	Date:	Standard	Area of Focus	Description
1	24-Sep	4.1 Number Sense	4.1.8.A.1	The number system through rational numbers.
2	30-Sep	4.2 Geometric Properties	4.2.8.A.1	Lines, angles, and planes. Complementary & Supplementary
3	8-Oct	4.3 Patterns	4.3.8.A.1	Recognize, describe, extend, and create patterns
4	15-Oct	4.4 Data Analysis	4.4.8.A.1	Measures of central tendency (mean, median, & mode)
5	22-Oct	4.1 Number Sense	4.1.8.A.1	Absolute value and Scientific Notation.
6	29-Oct	4.2 Geometric Properties	4.2.8.A.1	Vertical angles, bisectors, parallel, perpendicular, intersecting
7	5-Nov	4.3 Patterns	4.3.8.A.1	Finite & Infinte sequences, Arithmetic & Geometric sequences
8	12-Nov	4.4 Data Analysis	4.4.8.A.1	Box and Whisker Plots.
9	19-Nov	4.1 Number Sense	4.1.8.A.2	Magnitude of numbers.
10	3-Dec	4.2 Geometric Properties	4.2.8.A.2	Pythagorean Theorem
11	10-Dec	4.3 Functions	4.3.8.B.1	Graphing functions and their general behavior.
12	17-Dec	4.4 Data Analysis	4.4.8.A.1	Scatter plots.
13	7-Jan	4.1 Number Sense	4.1.8.A.4	Comparing and ordering numbers.
14	14-Jan	4.2 Geometric Properties	4.2.8.A.3	Properties of polygons
15	21-Jan	4.3 Functions	4.3.8.B.1	Equations involving two variables. Rates of change.
16	28-Jan	4.4 Data Analysis	4.4.8.A.1	Lines of best fit.
17	4-Feb	4.1 Number Sense	4.1.8.A.6&7	Repeating decimals and their fractional equivalents.
18	10-Feb	4.2 Geometric Properties	4.2.8.A.3	Sum of interior angles and which polygons tessellate.
19	18-Feb	4.3 Functions	4.3.8.B.2	Differences bet linear and exponential growth.
20	25-Feb	4.4 Probability	4.4.8.B.2	Probability of compound events.
21	4-Mar	4.1 Numerical Operations	4.1.8.B.1	Using procedures for performing calculations (PEMDAS)
22	11-Mar	4.2 Geometric Properties	4.2.8.A.4	Similarity and using proportions to find missing measures.
23	18-Mar	4.3 Modeling	4.3.8.C.1	Analyze functional relationships
24	25-Mar	4.4 Discrete Mathematics	4.4.8.C.1	Multiplication principle of counting, permutations & combinations
25	1-Apr	4.1 Numerical Operations	4.1.8.B.3	Square and cube roots
26	8-Apr	4.2 Geometric Properties	4.2.8.A.6	Geometric constructions
27	15-Apr	4.3 Modeling	4.3.8.C.2	Symbolic algebra to model situations (NOW-NEXT)
28	29-Apr	4.4 Discrete Mathematics	4.4.8.D.1	Vertex-Edge graphs
29	6-May	4.1 Numerical Operations	4.1.8.B.4	Proportions and percents
30	13-May	4.2 Geometric Properties	4.2.8.A.7	Nets and projected views of 3D objects
31	20-May	4.3 Procedures	4.3.8.D.2	Solving multi-step linear equations.
32	27-May	4.1 Estimation	4.1.8.C.1&3	Estimation of square and cube roots. Limitations of estimation.
<b>Additional CPI's</b>				
		4.2 Transforming Shapes	4.2.8.B.2	Iterative patterns
		4.2 Coordinate Geometry	4.2.8.C.1&2	Using coordinates in all four quadrants.
		4.2 Units of Measurement	4.2.8.D.1	Calculations using diff units of measurement
		4.2 Units of Measurement	4.2.8.D.3&4	Appropriate units and tools for measurement
		4.2 Units of Measurement	4.2.8.D.6	Compound units of measurement (pounds per sq inch)
		4.2 Measuring Objects	4.2.8.E.1	Perimeter and Area
		4.2 Measuring Objects	4.2.8.E.3&4	Surface Area and Volume (strategies and formulas)
		4.3 Procedures	4.3.8.D.3	Solve simple linear inequalities
		4.3 Procedures	4.3.8.D.4	Create, evaluate and simplify expressions
		4.3 Procedures	4.3.8.D.5	Properties of operations, numbers and equations.
		4.4 Data Analysis	4.4.8.A.2	Effects of additional data on measures of central tendency