MIG Supplement-Grade 3
enVision MATH California alignment with Common Core State Standards

This supplement is provided to help with planning as you implement California's Common Core State Standards with enVisionMATH CA 2009. This supplemental guide indicates the Common Core State Standards for Mathematical Content that each lesson addresses. Included are also references to off-grade level standards (such as standards that are now considered content from previous grade levels or future grade levels.) These references will help you become familiar with the content shifts of California's Common Core.

Additional lessons, which are referenced by a capital letter after the number, offer in-depth coverage of certain standards. These additional lessons and the lessons in enVisionMATH 2009 provide coverage of California's Common Core Standards for grade 3 and can be found by following these steps:
    a. Log on to PearsonSuccessNet.com
    b. Click on "Other Resources" in the 2009 enVision MATH CA version (do not click enVision MATH Common Core)
    c. Click on "Teacher Resources."
    d. Click on "Transitioning to the CA Common Core State Standards"
    e. Click on "Teacher Edition-English"

In some instances, you may find that the lesson refers to "transition student pages." These can be found by following these steps:
    a. Log on to PearsonSuccessNet.com
    b. Click on "Other Resources" in the 2009 enVision MATH CA version (do not click enVision MATH Common Core)
    c. Click on "Teacher Resources."
    d. Click on "Transitioning to the CA Common Core State Standards"
    e. Click on "Student Lessons-English"

TOPIC 1	NUMERATION		COMMON CORE STATE STANDARDS
1-1	Hundreds	✓	3.NBT.1, 3.NBT.1.1, 3.NBT.2
1-2	Thousands	✓	3.NBT.1, 3.NBT.1.1, 3.NBT.2
1-3	Greater Numbers	✓	3 NBT.1, 3.NBT.2
1-4	Comparing Numbers	⬅	Reviews 2.NBT.4
1-5	Ordering Numbers	⬅	Reviews 2.NBT.4
1-6	Problem Solving-Make an Organized List	✓	3.NBT.2

TOPIC 2	ROUNDING		COMMON CORE STATE STANDARDS
2-1	Finding the Halfway Number	✓	3NBT.1
2-2	Rounding 2- and 3- Digit Numbers	✓	3/MBT/1
2-3	Rounding 4-Digit Numbers	➡	Prepares for 4.NBT.3
2-4	Problem Solving: Try, Check, and Revise	✓	3.NBT.2

TOPIC 3	ADDING WHOLE NUMBERS		COMMON CORE STATE STANDARDS
3-1	Addition Meaning and Properties	✓	3.OA.9, 3.NBT.2
3-2	Adding on a Hundred Chart	✓	3.NBT.2
3-3	Using Mental Math to Add	✓	3.NBT.2
3-4	Estimating Sums	✓	3.NBT.1, 3.NBT.2
3-5	Adding 2-Digit Numbers	✓	3.NBT.2
3-6	Adding 3-Digit Numbers	✓	3.NBT.2
3-7	Adding 3 or More Numbers	✓	3.NBT.2
3-8	Problem Solving: Reasonableness	✓	3.OA.8

TOPIC 4	SUBTRACTING WHOLE NUMBERS		COMMON CORE STATE STANDARDS
4-1	Subtraction Meanings	✓	3.NBT.2
4-2	Subtracting on a Hundred Chart	✓	3.NBT.2
4-3	Using Mental Math to Subtract	✓	3.NBT.2
4-4	Estimating Differences	✓	3.NBT.1, 3.NBT.2
4-5	Subtracting 2-Digit Numbers	✓	3.NBT.2
4-6	Models for Subtracting 3-Digit Numbers	✓	3.NBT.2

4-7	Subtracting 3-Digit Numbers	✓	3.NBT.2
4-8	Subtracting Greater Numbers	✓	3.NBT.2
4-9	Subtracting Across Zero	✓	3.NBT.2
4-10	Problem Solving: Draw a Picture and Write a Number Sentence	✓	3.NBT.2

TOPIC 5	SOLIDS AND SHAPES		COMMON CORE STATE STANDARDS
5-1	Solid Figures	→	Prepares for 5.MD.3
5-2	Relating Solids and Shapes	→	Prepares for 5 .MD.3
5-3	Breaking Apart Solids	→	
5-4	Lines, Segments, and Angles	→	Prepares for 4.G.1
5-5	Polygons	✓	3.G.1
5-6	Triangles	✓	3.G.1
5-7	Quadrilaterals	✓	3.G.1
5-8	Problem Solving: Make and Test Generalizations	✓	3.G.1

TOPIC 6	MULTIPLICATION CONCEPTS		COMMON CORE STATE STANDARDS
6-1	Multiplication as Repeated Addition	✓	3.NBT.2
6-2	Arrays and Multiplication	✓	3.NBT.2
6-3	Using Multiplication to Compare	✓	3.NBT.2
6-4	Writing Multiplication Stories	✓	3.NBT.1, 3.NBT.2
6-5	Problem Solving: Writing to Explain	✓	3.NBT.2

TOPIC 7	MULTIPLICATION FACTS: Use Patterns		COMMON CORE STATE STANDARDS
7-1	2 and 5 as Factors	✓	3.OA.3, 3.OA.9
7-2	9 as a Factor	✓	3.OA.3, 3.OA.5, 3.OA.7, 3.OA.8, 3.OA.9
7-3	Multiplying with 0 and 1	✓	3.OA.3, 3.OA.5, 3.OA.9
7-4	10 as a Factor	✓	3.OA.3, 3.OA.9, 3.NBT.3
7-5A	Multiplying by Multiples of 10 (Use transition student edition pages 2-3)	✓	3.NBT.3
7-5	Problem-Solving: Two Question Problems	✓	3.OA.3, 3.OA.8

TOPIC 8	MULTIPLICATION FACTS: Use Known Facts		COMMON CORE STATE STANDARDS
8-1	3 as a Factor	✓	3.OA.3, 3.OA.9
8-2	4 as a Factor	✓	3.OA.3, 3.OA.5, 3.OA.7, 3.OA.8, 3.OA.9
8-3	6 and 7 as Factors	✓	3.OA.3, 3.OA.5, 3.OA.9

8-4	8 as a Factor	✓	3.OA.3, 3.OA.9, 3.NBT.3
8-5	Multiplying by Multiples of 10	✓	3.NBT.3
8-6	Problem-Solving: Two Question Problems	✓	3.OA.3, 3.OA.8

TOPIC 9	DIVISION CONCEPTS		COMMON CORE STATE STANDARDS
9-1	Division as Sharing	✓	3.OA.2, 3.OA.3, 3.OA.4
9-2	Division as Repeated Subtraction	✓	3.OA.2, 3.OA.3, 3.OA.4
9-3A	Finding Missing Numbers in a Multiplication Table (Use transition student edition pages 4-5)	✓	3.OA.4, 3.OA.6
9-3	Writing Division Stories	✓	3.OA.3, 3.OA.4
9-4	Problem Solving: Act It Out and Draw a Picture	✓	3.OA.3, 3.OA.4, 3.OA.6

TOPIC 10	DIVISION FACTS		COMMON CORE STATE STANDARDS
10-1	Relating Multiplication and Division	✓	3.OA.3, 3.OA.4, 3.OA.7
10-2	Fact Families with 2, 3, 4, and 5	✓	3.OA.3, 3.OA.4, 3.OA.5, 3.OA.7
10-3	Fact Families with 6 and 7	✓	3.OA.3, 3.OA.7
10-4	Fact Families with 8 and 9	✓	3.OA.3, 3.OA.7
10-5A	Making Sense of Multiplication & Division Equations (Use transition student edition pages 6-7)	✓	3.OA.3, 3.OA.4
10-5	Dividing with 0 and 1	✓	3.OA.3, 3.OA.4, 3.OA.5
10-6	Problem Solving: Draw a Picture & Write a Number Sentence	✓	3.OA.3

TOPIC 11	PATTERNS AND RELATIONSHIPS		COMMON CORE STATE STANDARDS
11-1	Repeating Patterns	⇒	Prepares for 4.OA.5
11-2	Number Sequences	⇒	Prepares for 4.OA.5
11-3	Extending Tables	⇒	Prepares for 4.OA.5
11-4	Writing Rules for Situations	⇒	Prepares for 4.OA.5
11-5	Translating Words to Expressions	⇒	Prepares for 4.OA.5
11-6	Problem Solving: Act it Out and Use Reasoning	⇐	Reviews 2.OA.1

CA Topics 12 & 13 will be replaced by CCSS enVision Topics 9 & 10, with new booklets and student materials to arrive at school sites the beginning of November, 2013.
In addition: CCSS Concept Lesson "Granola Bars" can be included in between the CCSS Topics 9 & 10. The concept lesson will be found at: http://math.lausd.net, click on PK-12 Professional Development, click on Elementary, click on "Granola Bars" concept lesson.

TOPIC 12	FRACTION CONCEPTS	✓	COMMON CORE STATE STANDARDS
12-1	Repeating Patterns	✓	3.NF.1, 3.G.2
12-2	Number Sequences	✓	3.NF.1, 3.G.2
12-3	Extending Tables	✓	3.NF.1
12-4A	Writing Rules for Situations (Use transition student edition pages 8-9)	✓	3.NF.2.a, 3.NF.2.b
12-4	Translating Words to Expressions	✓	3.NF.1
12-5	Problem Solving: Act it Out and Use Reasoning	✓	3.NF.3.a, 3.NF.3.d
12-6	Finding Equivalent Fractions	✓	3.NF.3.a, 3.NF.3.b, 3.NF.3e
12-7A	Equivalent Fractions and the Number Line	✓	3.NF.3.a, 3.NF.3.b
12-7	Using Equivalent Fractions (Use transition student edition pages 10-11)	✓	3.NF.3.B, 3.NF.3.d
12-8A	Whole Numbers and Fractions (Use transition student edition pages 12-13)	✓	3.NF.3.c
12-8	Problem Solving: Make a Table and Look for a Pattern	✓	3.OA.3

TOPIC 13	ADDING AND SUBTRACTING FRACTIONS		COMMON CORE STATE STANDARDS
13-1	Using Models to Add Fractions	→	Prepares for 4.NF.3.a
13-2	Adding Fractions	→	Prepares for 4.NF.3.a
13-3	Using Models to Subtract Fractions	→	Prepares for 4.NF.3.a
13-4	Subtracting Fractions	→	Prepares for 4.NF.3.a
13-5	Problem Solving: Draw a Picture and Write a Number Sentence	→	Prepares for 4.NF.3.d

TOPIC 14	MULTIPLYING GREATER NUMBERS		COMMON CORE STATE STANDARDS
14-1	Using Mental Math to Multiply	✓	3.OA.7, 3.NBT.3
14-2	Estimating Products	→	Prepares for 4.OA.3
14-3	Multiplication and Arrays	✓	3.OA.1, 3.OA.3
14-4	Breaking Apart to Multiply	✓	3.OA.5, 3.OA.7, 3.NBT.3
14-5	Using an Expanded Algorithm	✓	3.OA.5
14-6	Multiplying 2-Digit by 1-Digit Numbers	→	Prepares for 4.NBT.5
14-7	Multiplying 3- and 4-Digit Numbers	→	Prepares for 4.NBT.5
14-8	Problem Solving: Draw a Picture and Write a Number Sentence	→	Prepares for 4.NBT.5

TOPIC 15	Dividing by 1-Digit Numbers		COMMON CORE STATE STANDARDS
15-1	Mental Math	✓	3.OA.7
15-2	Estimating Quotients	✓	3.OA.7
15-3	Connecting Models and Symbols	→	Prepares for 4.NBT.6
15-4	Dividing 2-Digit Numbers	→	Prepares for 4.NBT.6
15-5	Dividing 3-and 4-Digit Numbers	→	Prepares for 4.NBT.6
15-6	Zero in the Quotient	→	Prepares for 4.NBT.6
15-7	Dividing with Remainders	→	Prepares for 4.OA.3
15-8A	Using Variables in Two-Question Problems (Use transition student edition pages 14-15)	✓	3.OA.8
15-8	Problem-Solving: Multiple-Step Problems	→	Prepares for 4.NBT.6

TOPIC 16	Dividing by 1-Digit Numbers		COMMON CORE STATE STANDARDS
16-1	Understanding Measurement	←	Reviews 2.MD.2
16-2	Fractions of an Inch	←	Reviews 2.MD.1
16-3	Using Inches, Feet, Yards, and Miles	←	Reviews 2.MD.1
16-4	Customary Units of Capacity	✓	3.MD.2
16-5	Units of Weight	✓	3.MD.2
16-6	Converting Customary Units	→	Prepares for 4.MD.1
16-7	Units of Time	✓	3.MD.1
16-8	Elapsed Time	✓	3.MD.1
16-9A	Time to the Minute (Use transition student edition pages 16-17)	✓	3.MD.1
16-9	Problem Solving: Work Backward	✓	3.MD.1

TOPIC 17	METRIC MEASUREMENT		COMMON CORE STATE STANDARDS
17-1	Using Centimeters and Decimeters	⬅	Reviews 2.MD.2
17-2	Using Meters and Kilometers	⬅	Reviews 2.MD.1
17-3	Metric Units of Capacity	✓	3.MD.2
17-4	Units of Mass	✓	3.MD.2
17-5	Converting Units	➡	Prepares for 4.MD.1
17-6	Problem Solving: Draw a Picture	✓	3.MD.2
17-6A	Problem Solving: Make a Table and Look for a Pattern (Use transition student edition pages 18-19)	✓	3.OA.3

TOPIC 18	PERIMETER, AREA, AND VOLUME		COMMON CORE STATE STANDARDS
18-1	Understanding Perimeter	✓	3.MD.8
18-2	Perimeter of Common Shapes	✓	3.MD.8
18-3A	Different Shapes with the Same Perimeter (Use transition student edition pages 20-21)	✓	3.MD.8
18-3	Understanding Area	✓	3.MD.5.a, 3.MD.5b, 3.MD.6
18-4	Estimating and Measuring Area	✓	3.MD.5.a, 3.MD.5b, 3.MD.6
18-5A	Area of Squares and Rectangles (Use transition student edition pages 22-23)	✓	3.MD.7.a, 3.MD.7.b
18-5B	Area and the Distributive Property (Use transition student edition pages 24-25)	✓	3.MD.7.c
18-5C	Area of Irregular Shapes (Use transition student edition pages 26-29)	✓	3.MD.7.d
18-5D	Some Area, Different Perimeter (Use transition student edition pages 30-31)	✓	3.MD.7.b, 3.MD.8
18-5E	Equal Areas and Fractions (Use transition student edition pages 32-33)	✓	3.G.2
18-5	Volume	➡	Prepares for 5.MD.3
18-6	Problem Solving: Solve a Simpler Problem	✓	3.MD.5.a, 3.MD.6, 3.MD.7.b

TOPIC 19	DECIMAL OPERATIONS AND MONEY		COMMON CORE STATE STANDARDS
19-1	Fractions and Decimals	→	Reviews 2.MD.2
19-2	Using Money to Understand Decimals	→	Reviews 2.MD.1
19-3	Adding and Subtracting Money	→	3.MD.2
19-4	Multiplying with Money	→	3.MD.2
19-5	Dividing with Money	→	Prepares for 4.MD.1
19-6	Problem Solving: Missing or Extra Information	→	3.MD.2

TOPIC 20	Data and Probability		COMMON CORE STATE STANDARDS
20-1	Using Tally Charts	←	Reviews 1.MD.4
20-2	How Likely?	→	
20-3	Outcomes and Experiments	→	
20-4	Line Plots and Probability	→	
20-5	Making Bar Graphs to Show Outcomes	→	
20-6A	Reading Pictographs and Bar Graphs (Use transition student edition pages 34-37)	✓	3.MD.3
20-6B	Making Pictographs (Use transition student edition pages 38-39)	✓	3.MD.3
20-6C	Making Bar Graphs (Use transition student edition pages 40-41)	✓	3.MD.3
20-6D	Length and Line Plots (Use transition student edition pages 42-43)	✓	3.MD.4
20-6	Problem Solving: Make and Use Graphs to Draw Conclusions	✓	3.MD.3