California Big Ideas

in *i-Ready Classroom Mathematics*

These charts identify the California Big Ideas most relevant to each unit.

For more information on the Big Ideas, see the grade-level chapters in the California Mathematics Framework.

Each multi-day lesson in *i-Ready Classroom Mathematics* ©2024 addresses multiple standards. The instructional design centers teaching and learning opportunities that model and develop mathematical ideas as connected and interrelated, rather than as a series of discrete topics. This approach will be expanded in the forthcoming California edition with new features that explicitly support building Big Ideas.
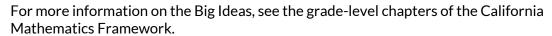
- Grade K
- Grade 1
- Grade 2
- Grade 3
- Grade 4
- Grade 5
- Grade 6
- Grade 7
- Grade 8

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California Big Ideas in *i-Ready Classroom Mathematics*

This chart identifies the California Big Ideas most relevant to each unit.

For more information on the Big Ideas, see the grade-level chapters of the California Mathematics Framework.

Grade **K**

California Big Idea	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
Being Flexible Within 10				✔	✔		
Bigger or Equal?		✔					
How Many?		✔		✔	✔		
Making Shapes from Parts				✔			✔
Model with Numbers			✔			✔	
Place and Position of Numbers							✔
Shapes in the World	✔	✔	✔				
Sort and Describe Data	✔						

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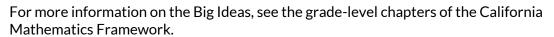This chart identifies the California Big Ideas most relevant to each unit.

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California Big Idea	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Clocks and Time						✔
Equal Expressions	✔	✔	✔			
Equal Parts Inside Shapes						✔
Make Sense of Data			✔			
Measuring with Objects						✔
Reasoning about Equality					✔	
Tens and Ones		✔		✔	✔	

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Grade **2**

California Big Idea	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Dollars and Cents		✔			
Measure and Compare Objects				✔	
Number Strategies	✔	✔	✔		
Problem Solving with Measure				✔	
Represent Data	✔	✔		✔	
Seeing Fractions in Shapes					✔
Skip Counting to 100			✔		✔
Squares in an Array					✔

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Grade 3

California Big Idea	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Analyze Quadrilaterals						✓
Fractions as Relationships				✓		
Fractions of Shape and Time						✓
Measuring				✓	✓	
Number Flexibility to 100 for All Four Operations	✓	✓	✓		✓	
Patterns in Four Operations	✓		✓			
Represent Multivariable Data			✓	✓		
Square Tiles		✓	✓			
Unit Fraction Models				✓		

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Grade 4

California Big Idea	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Circles, Fractions, and Decimals				✓	✓
Connected Problem Solving	✓	✓	✓		
Factors and Area Models		✓	✓		
Fraction Flexibility				✓	
Measuring and Plotting				✓	
Multi-Digit Numbers	✓		✓		
Number and Shape Patterns		✓			
Rectangle Investigations					✓
Shapes and Symmetries					✓
Visual Fraction Models				✓	

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California Big Idea	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Factors and Groups					✔
Fraction Connections		✔	✔		
Layers of Cubes	✔				
Modeling	✔	✔	✔		
Plotting Patterns				✔	✔
Powers and Place Value		✔			
Seeing Division	✔		✔	✔	
Shapes on a Plane				✔	✔
Telling a Data Story					✔

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Grade **6**

California Big Idea	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
Distance and Direction						✔	
Fraction Relationships		✔		✔			
Generalizing with Multiple Representations	✔		✔	✔	✔		
Graphing Shapes						✔	
Model the World		✔		✔			
Nets and Surface Area	✔	✔					
Patterns Inside Numbers	✔						
Relationships between Variables				✔	✔		
The Shape of Distributions							✔
Variability in Data							✔

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Grade 7

California Big Idea	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
2-D and 3-D Connections						✔	
Angle Relationships						✔	
Graphing Relationships	✔						
Populations and Samples					✔		
Probability Models							✔
Proportional Relationships	✔				✔		
Scale Drawings	✔						
Shapes in the World						✔	
Unit Rates in the World	✔	✔	✔	✔			
Visualize Populations					✔		

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California Big Idea	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
Big and Small Numbers					✔		
Cylindrical Investigations						✔	
Data Explorations							✔
Data, Graphs, and Tables				✔			✔
Interpret Scatter Plots							✔
Linear Equations			✔				
Multiple Representations of Functions				✔			
Pythagorean Explorations						✔	
Shape, Number, and Expressions						✔	
Slopes and Intercepts			✔	✔			
Transformational Geometry	✔	✔					

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