



Imagine IM California Program Preview

TK–12 Math Designed for CA Schools and Districts

The highest-quality IM® v.360 curriculum, fully aligned
to the California Mathematics Framework



Imagine IM California



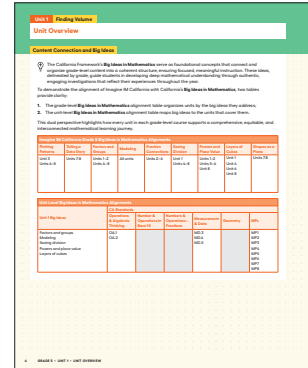
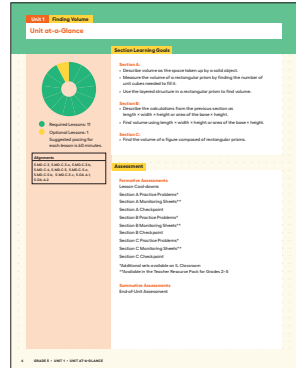
Designed for California Schools and Districts

As the first and longest-standing premium Illustrative Mathematics partner, Imagine Learning has engaged with math leaders and educators across the state to inform the development of the **Imagine IM California** TK–12 solution.

California Common Core State Standards and Standards for Mathematical Practice

Imagine IM California was configured to support educators in building proficiency with the California Common Core State Standards for Mathematics (CA CCSSM) and the Standards for Mathematical Practice (MPs).

CA CCSSM and MP alignments are identified in both the teacher print and the digital platform at unit, section, and lesson levels.



The teacher and student resources reinforce the Big Ideas and principles laid out in the Mathematics Framework with a focus on engagement, accessibility, and usability. This includes:

- Complete adherence to the approved 2023 Mathematics Framework for California Public Schools
- Full TK–12 alignment with the CA CCSSM and the MPs
- A robust pedagogy that exemplifies the instructional shifts of focus, coherence, and rigor



Problem-Based Learning

The instructional design of the materials supports all learners through a coherent progression of mathematics based on content standards, mathematical practices, and research-based learning trajectories. This model embraces a multidimensional approach that is framed by interweaving the why, how, and what of mathematics. Each activity and lesson is part of a mathematical story across units and grade levels. This coherence allows students to view mathematics as a connected set of ideas that make sense together.

	Invitation to the mathematics	Deep study of concepts and procedures	Consolidating and applying
Unit Level	Introductory lesson	Instructional lessons	Culminating lesson
Lesson Level	Warm-up	Classroom activities	Synthesis and cool-down
Activity Level	Launch	Work time	Synthesis

Big Ideas and Content Connections

Imagine IM California follows an instructional model that is centered around authentic, open-ended tasks that investigate and connect the Big Ideas in mathematics. Cohesive and well-articulated content progressions and instructional routines anchor the focus in each unit. The teacher print and digital resources identify where the instruction addresses or supports Big Ideas and Content Connections at the unit level.

Imagine IM California Grade 5, Unit 1: Big Ideas and California Common Core State Standards for Mathematics Alignments

Imagine IM California Grade 5 Big Ideas in Mathematics Alignments							
Plotting Patterns	Telling a Data Story	Factors and Groups	Modeling	Fraction Connections	Seeing Division	Powers and Place Value	Layers of Cubes
Unit 3 Units 6-8	Units 7-8	Units 1-2 Units 4-8	All units	Units 2-6	Unit 1 Units 4-8	Units 1-2 Units 5-8 Unit 8	Unit 1 Unit 4 Unit 6 Unit 8

Unit 1 Big Ideas in Mathematics Alignments		
Factors and Groups Modeling Seeing Division Powers and Place Value Layers of Cubes		
Lesson	California CCSS Alignment	Standards for Mathematical Practice
1	5.MD.3	MP.3, MP.5, MP.6
2	5.MD.3.a, 5.MD.3.b, 5.MD.4	MP.6, MP.7
3	5.MD.4	MP.2, MP.7
4	5.OA.2, 5.MD.5.a	MP.2, MP.7
5	5.MD.5.b	MP.1, MP.2, MP.6
6	5.OA.1, 5.OA.2, 5.MD.5.a, 5.MD.5.b	MP.2, MP.7
7	5.MD.4	MP.1, MP.3, MP.6
8	5.MD.5.c	MP.6, MP.7, MP.8
9	5.OA.2, 5.MD.5.c	MP.2, MP.7
10	5.OA.1, 5.OA.2, 5.MD.5.c	MP.2, MP.3, MP.7
11	5.MD.3, 5.MD.5	MP.1, MP.6
12	5.MD.3, 5.MD.5, 5.MD.5.c	MP.6

Italics indicate Building Towards standards

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Grade 5 Big Ideas in Mathematics Alignments

California's Big Ideas Alignments

Actions

Wiki Included in

The California Framework's Big Ideas in Mathematics serve as foundational concepts that connect and organize grade-level content into a coherent structure, ensuring focused, meaningful instruction. These ideas, delineated by grade, guide students in developing deep mathematical understanding through authentic, engaging investigations that reflect their experiences throughout the year.

To demonstrate the alignment of Imagine IM California with California's Big Ideas in Mathematics, two tables provide clarity:

1. The Grade Level Big Ideas in Mathematics Alignment table organizes units by the big ideas they address;
2. The Unit Level Big Ideas in Mathematics Alignment table maps big ideas to the unit that cover them.

This dual perspective highlights how every unit in each grade-level course supports a comprehensive, equitable, and interconnected mathematical learning journey.

	Plotting Patterns	Telling a Data Story	Factors and Groups	Modeling	Fraction Connections	Seeing Division	Powers and Place Value	Layers of Cubes	Shape on a Plane
Imagine IM California Units	Unit 3 Unit 6-8	Units 7-8	Units 1-2 Units 4-8	All Units	Units 2-6	Unit 1 Units 4-8	Units 1-2 Units 5-8 Unit 8	Unit 1 Unit 4 Unit 6	Units 7-8

GRADE 5 • UNIT 1 CALIFORNIA BIG IDEAS ALIGNMENTS

Active and Inclusive Math Community

Imagine IM California's lesson design invites all students to participate, collaborate, ask questions, and build confidence as mathematical thinkers and doers. Students actively engage in reasoning and making sense of mathematics, developing deep understanding and critical habits of mind that prepare them for this changing world.

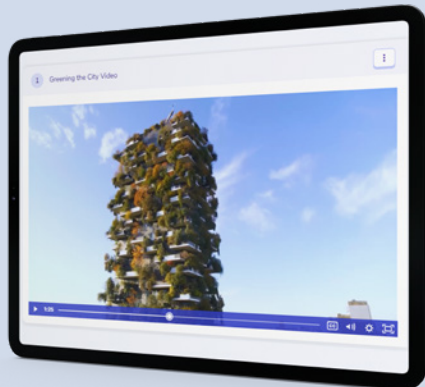
Commitment to Equity and Access

- Imagine IM's lesson design uses principles of Universal Design for Learning (UDL) both to make activities accessible to all students and to inform the specifics of the supports for students with diverse abilities
- High-quality math instruction designed to meet the needs of every student, ensuring equitable opportunities for success
- Tailored supports for multilingual learners, students with diverse abilities, and advanced learners foster an inclusive learning environment
- Inclusive and culturally relevant instruction, with content that reflects and respects the diversity in every classroom



Environmental Principles and Concepts (EP&Cs)

Imagine IM California supports environmental literacy by helping students to understand and apply the EP&Cs across academic disciplines and in the real world. The activities and Inspire Math videos have been designed with these in mind and include EP&C correlations in the Teacher Guides for each unit.



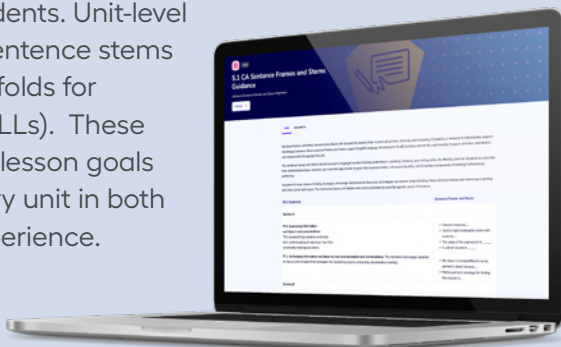
Unit 1 Finding Volume		
Unit Overview		
Environmental Principles & Concepts Alignment		
<p>California Environmental Principles & Concepts (EPCs) support students' understanding of the interconnectedness of the natural world. They are intended to increase students' broad understanding and their ability to apply the EPCs to real-world situations. The EPCs are organized into three categories: environmental science, environmental systems, and environmental values. The integration of environmental science, environmental systems, and environmental values into the EPCs provides a comprehensive understanding of the natural world. The EPCs are designed to be used in a variety of ways, including as a framework for curriculum development, as a tool for classroom instruction, and as a resource for students to explore environmental issues on their own.</p>	<p>Go online to find further information about the EPCs: http://www.cde.ca.gov/ta/tg/taec/epc.asp or visit the EPCs website at http://www.cde.ca.gov/ta/tg/taec/epc.asp.</p>	
<p>Environmental Science focuses on the scientific study of the environment and the natural world. It includes the study of the physical and biological processes that shape the environment, as well as the human impact on the environment.</p>	<p>Environmental Systems focuses on the interactions between the natural world and human society. It includes the study of the physical and biological processes that shape the environment, as well as the human impact on the environment.</p>	<p>Environmental Values focuses on the ethical and moral principles that guide human behavior. It includes the study of the physical and biological processes that shape the environment, as well as the human impact on the environment.</p>
Activity or Lesson	Student	Essential Question
12-13	<p>Principle 3 - People Influence Natural Systems: The long-term functioning of natural systems is fundamentally affected by human activities.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 4 - There are no boundaries or boundaries between the physical and biological systems of the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 5 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 6 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 7 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 8 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 9 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 10 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 11 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 12 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 13 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 14 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 15 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 16 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 17 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 18 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13	<p>Principle 19 - Human activities are the primary cause of the changes in the natural world. The study of the natural world is the study of the interactions between the physical and biological systems of the natural world.</p>	<p>How do human activities, the building and destruction of infrastructure, and the use of land and the planet and oceans affect the natural world?</p>
12-13		

See how EPCs are aligned with the standards in the [California Environmental Principles & Concepts](#) and [California EPCs](#) documents.

GRADE 5 • UNIT 1 • UNIT OVERVIEW

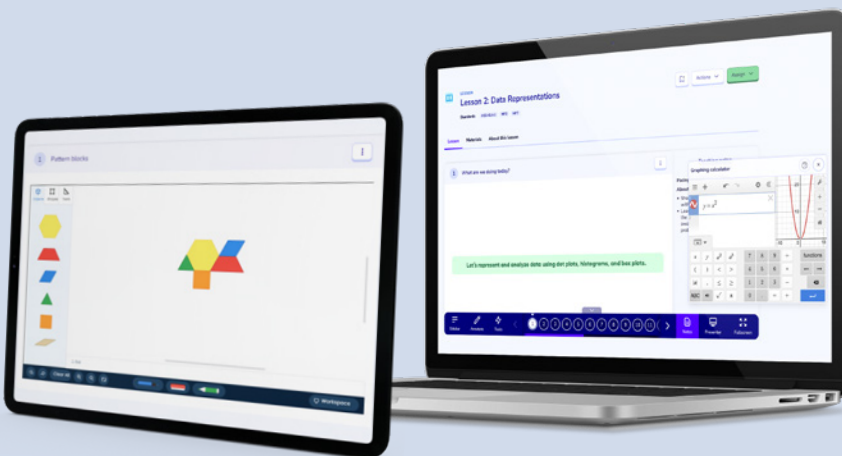
English Language Development (ELD)

The problem-based instructional design and embedded structures in **Imagine IM California** support English language development for all students. Unit-level sentence frames and sentence stems provide intentional scaffolds for multilingual learners (MLLs). These supports are aligned to lesson goals and vocabulary for every unit in both the print and digital experience.

[illegible]

Data Science

Imagine IM California offers interactive tools for data literacy and support for thematic data science topics. The embedded instructional routines foster productive discourse around data. Each unit incorporates real-world data, and the digital platform offers tools including virtual manipulatives and interactives for data analysis and simulation.



Program Components

Imagine IM offers a full suite of print, digital, and hands-on components that are ready to go and designed to meet the needs of CA educators and students.

Teacher Components

Print

Teacher Course Guide

Includes grade-level curriculum information about the instructional design, guiding principles, meeting the needs of all learners, and assessment. This component highlights pacing and coherence across the year.

Teacher Guides

Includes full lessons with teaching support and student page reduses. Provides QR codes to digital resources at point of use in each unit, section, and lesson.

Teacher Resource Packs (Grades TK–5)

Includes family support materials, blackline masters, assessments (including cool-downs), center materials.

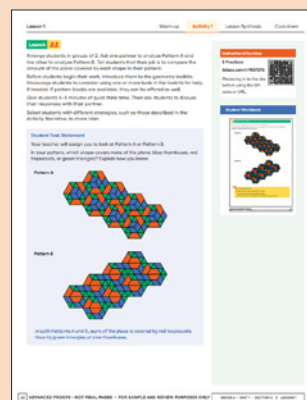
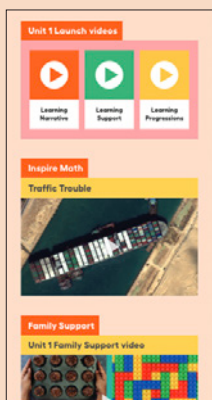
Digital

Online Platform

The Imagine IM digital experience offers tools to enhance instruction and incorporate blended learning. These embedded features improve usability:

- **For planning and instruction:** Unit Launch videos, assignable digital lessons and assessments, embedded teaching notes, unit planning maps, and more!
- **For lesson delivery:** a lesson player with editable lesson cards, Live Learn, and the annotation tool
- **For home connections:** family letters and Family Support videos
- **Data and reporting:** data dashboard, performance and item analysis reports, and monitoring sheets
- **Student engagement:** digital centers (K–5), virtual manipulatives, digital tasks and practice problems, and more!

Print and Digital Connections



Student and Teacher Spanish Resources are available.

Student Components

Print

Student Workbooks

Consumable full-color Student Workbooks available in both English and Spanish

Include full lessons with learning goals, warm-ups, activities, and practice problems, with space for student thinking and work.

Provides QR codes to digital family resources at point of use.

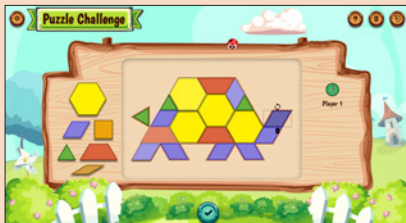
Digital

Online Platform

The **Imagine IM California** digital student experience includes access to Student Workbook content, interactive lessons, videos, virtual manipulatives, digital centers, digital task statements, digital practice sets, digital cool-downs, digital assessments, and more!

*TK components may be different based on developmental needs.

Digital Experience



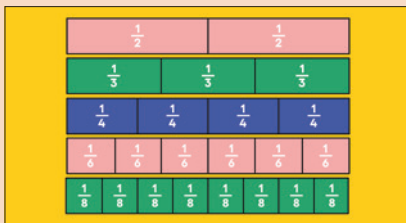
Digital centers



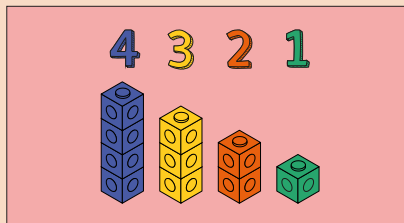
Inspire Math videos



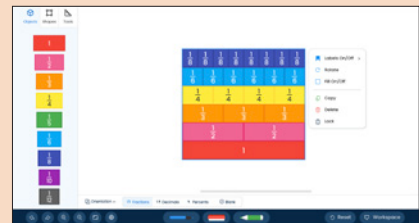
Family Support videos



Learning Progression videos

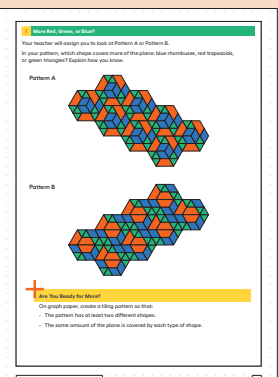
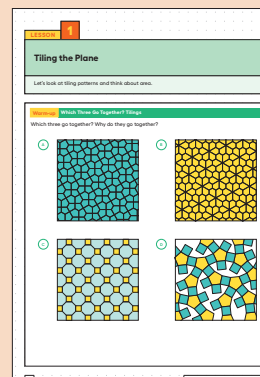
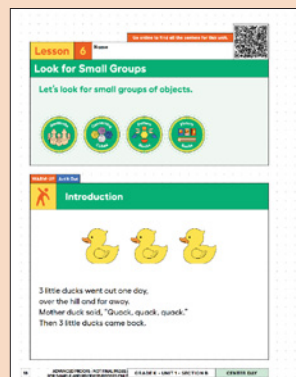


Learning Narrative videos



Virtual manipulatives

Print Experience



Student and Teacher Spanish Resources are available.



Imagine IM is the certified Illustrative Mathematics curriculum optimized for engagement, accessibility, and usability.



Learn more about
Imagine IM California



imaginelearning.com/imagine-im
877-725-4257 • solutions@imaginelearning.com