



CALIFORNIA ClearMath®

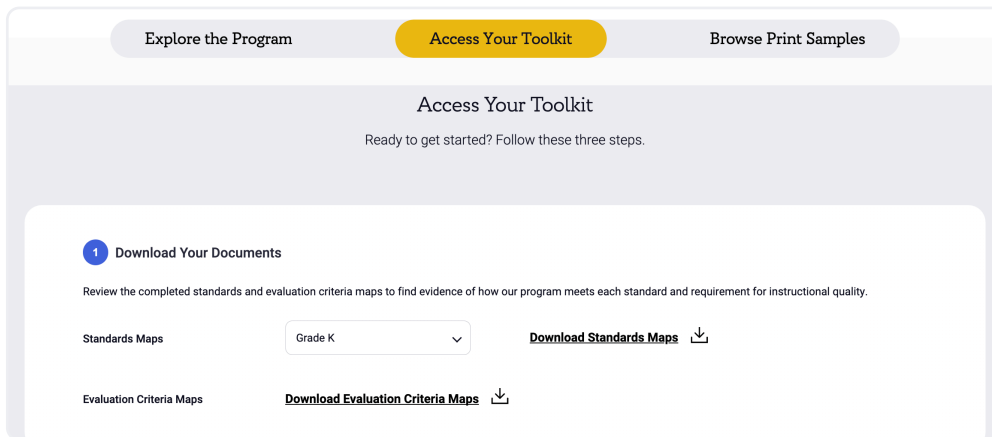
Grades K–5 Reviewer Reference Guide

This guide walks you through how to use the Standards Maps and Evaluation Criteria Map for California ClearMath Grades K–5, and how to locate cited evidence in the printed Teacher’s Implementation Guides, the Student Resource Books, and our digital platform—the Clear Learning Center, home to MATHia Adventure.



Standards Maps and Evaluation Criteria Map

You can download the digital versions of the Standards Maps and Evaluation Criteria Map from Step 1 of the “Access Your Toolkit” section on the [Reviewer Site](#).



For the most direct and streamlined experience, we recommend referencing the digital version of the Standards Maps and Evaluation Criteria Map whenever possible.

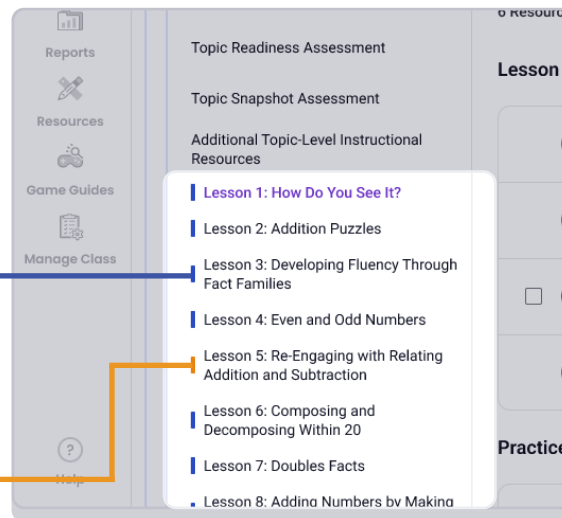
Course Design and Overview

Each California ClearMath course includes five modules, aligned to the Big Ideas of the grade.

Topics and lessons follow a consistent structure, clearly visible in the Clear Learning Center:

Concept Lessons are highlighted in blue

Re-Engagement Lessons are highlighted in orange

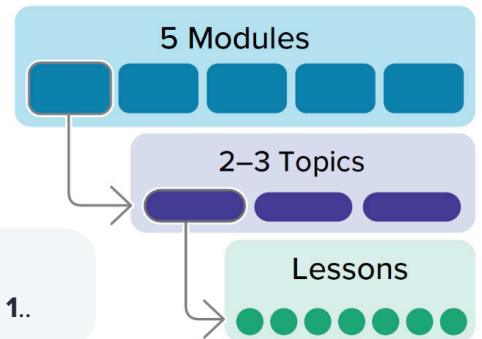


Acronyms and Abbreviations

The Standards Maps and Evaluation Criteria Map use the following abbreviations:

Abbreviation	Meaning
TIG	Teacher's Implementation Guide
TIGO	Teacher's Implementation Guide Overview <i>These pages are the front matter of the TIG.</i>
SRB	Student Resource Book
SPB	Student Practice Book
CLC	Clear Learning Center
M	Module
T	Topic
L	Lesson

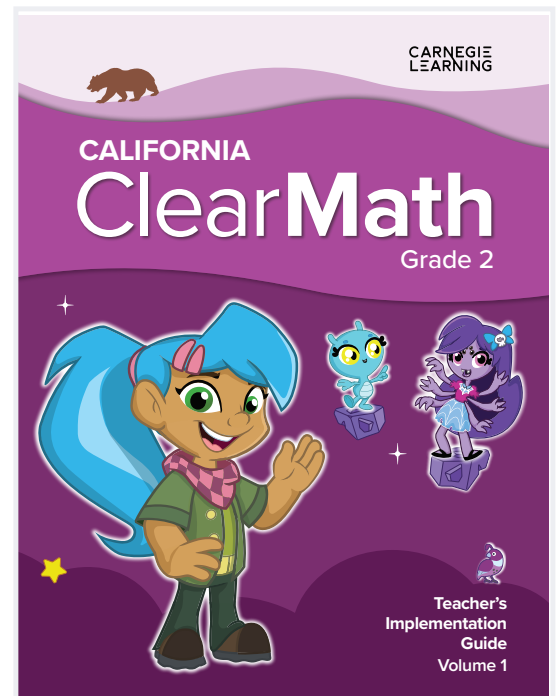
Citations follow this format:
[M2, T3, L1], which means **Module 2, Topic 3, Lesson 1.**



Citation Guidance for Reviewers

Each criterion includes citations from multiple resources, such as the **Teacher's Implementation Guide**, **Student Resource Book**, and digital materials available in the **Clear Learning Center**.

The examples shown below from **Grade 2** provide a reference for navigating to the cited content.



Navigating to a citation using the Teacher's Implementation Guide

Sample Citation #1

Criterion	Mathematics Content/Alignment with Standards	Publisher/Developer Citations	Met Yes	Met No	Reviewer Comments, Citations, and Questions
1.1	Instructional materials, as defined in <i>Education Code (EC)</i> Section 60010(h), must be aligned to the CA CCSSM Content Standards and Standards for Mathematical Practice (SMPs), adopted by the California State Board of Education (SBE) in August 2010 and modified in January 2013.	<p>Overview of Alignment with CA CCSSM and SMPs For a summary of grade-level alignment with the CA CCSSM Content Standards and Standards for Mathematical Practice, refer to the <i>Intro to ClearMath</i> section of the <i>Teacher's Implementation Guide Overview</i> for each grade.</p> <p>For Grade 2 references, see: <i>Aligning with CA CCSSM and Big Ideas</i> -- TIG p. TIGO 12; <i>Embedding Standards for Mathematical Practices</i> -- TIG p. TIGO 13;</p> <p>Examples of CA CCSSM Alignment For module and topic alignments, see the <i>Module Overviews</i> and <i>Topic Overviews</i> for each grade.</p> <p>For a Grade 2 example, see:</p>			<p>For Grade 2 references, see: <i>Aligning with CA CCSSM and Big Ideas</i> -- TIG p. TIGO 12;</p>

Grade 2 Teacher's Implementation Guide Citation on Evaluation Criteria Map

Note: If you click on a link in the digital version of the Standards Map or Evaluation Criteria Map, it will automatically take you to the correct page in the digital representation of the Teacher's Implementation Guide.

INTRO TO CLEARMATH GRADE 2

Aligning with CA CCSSM and Big Ideas

This map shows the CA CCSSM within each topic and their connection to other topics within the course. Each topic shows its alignment with one or more Big Ideas outlined in the California Mathematics Framework. For the readiness standards aligned to each topic in Grade 2, see the *Mathematical Progressions and Connections* document in the *Clear Learning Center*.

TIGO 12 Teacher's Implementation Guide Overview | Aligning with CA CCSSM and Big Ideas

INTRO TO CLEARMATH GRADE 2

Embedding Standards for Mathematical Practices

The Standards for Mathematical Practice emphasize problem-solving, reasoning, constructing arguments, and modeling with mathematics to promote critical thinking and real-world application.

ClearMath Grade 2 engages students in these practices by encouraging them to make sense of mathematics and demonstrate their reasoning through problem-solving, writing, discussion, and modeling. These habits of mind engage students as doers of mathematics, equipping them to apply mathematical concepts confidently in real-world situations.

Habits of Mind **SMP**

The first Habit of Mind (SMP1) is evident every day in every lesson as students engage in activities, solve problems, and analyze their solutions. As a result, the only lesson that calls out this particular Habit of Mind is the introductory lesson, *Let the Games Begin*.

How does ClearMath Support the Standards for Mathematical Practice?

- Every lesson engages students in mathematical problem-solving, guiding them to explore, discover, and reason.
- The meaningfulness of mathematical content and practices ensures students develop these habits of mind across all domains.
- The focus on discourse requires students to share ideas, evaluate reasoning, and refine understanding while using precise language and persevering in problem-solving.
- Detailed lesson facilitation notes give teachers everything they need to nurture these habits of mind.

In this activity, students use the structure of 10 to rewrite facts as an equation with 10.

Learn more about Building Mathematical Habits of Mind on page TIGO 76.

TIGO 13 Embedding Standards for Mathematical Practices



To see the citation using the print book:
Open the **Teacher's Implementation Guide**.

Go to the front of the book and turn to **page TIGO 12**.

INTRO TO CLEARMATH GRADE 2

Aligning with CA CCSSM and Big Ideas

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TIGO 12 Teacher's Implementation Guide Overview | Aligning with CA CCSSM and Big Ideas

INTRO TO CLEARMATH GRADE 2

Embedding Standards for Mathematical Practices

The Standards for Mathematical Practice emphasize problem-solving, reasoning, constructing arguments, and modeling with mathematics to promote critical thinking and real-world application.

ClearMath Grade 2 engages students in these practices by encouraging them to make sense of mathematics and demonstrate their reasoning through problem-solving, writing, discussion, and modeling. These habits of mind empower students as doers of mathematics, equipping them to apply mathematical concepts confidently in real-world situations.

The first habit of mind (HMP1) is evident every day in every lesson as students engage in activities, solve problems, and analyze their solutions. As a result, the only lesson that calls out this particular Habit of Mind is the introductory lesson, *Let the Games Begin*.

Habits of Mind (HMP)

- Make sense of problems and persevere in solving them.

How does ClearMath Support the Standards for Mathematical Practice?

- Every lesson engages students in mathematical problem-solving, guiding them to explore, discover, and reason.
- The interweaving of mathematical content and practice ensures students develop these habits of mind across all domains.
- The focus on discourse requires students to share ideas, evaluate reasoning, and refine understanding while using precise language and persevering in problem-solving.
- Detailed lesson facilitation notes give teachers everything they need to nurture these habits of mind.

In this activity, students use the structure of 10 to rewrite facts as an equation with 10.

Example: Adding numbers by making 10

Step 1: Rewrite Facts

7 + 8 = 15

7 + 3 = 10

10 + 5 = 15

7 + 8 = 15

7 + 3 = 10

10 + 5 = 15

7 + 8 = 15

7 + 3 = 10

10 + 5 = 15

Step 2: Rewrite Facts

7 + 8 = 15

7 + 3 = 10

10 + 5 = 15

7 + 8 = 15

7 + 3 = 10

10 + 5 = 15

7 + 8 = 15

7 + 3 = 10

10 + 5 = 15

Learn more about Building Mathematical Habits of Mind on page TIGO 76.

Embedding Standards for Mathematical Practices TIGO 13

See the section
Aligning with CA CCSSM and Big Ideas.

INTRO TO CLEARMATH GRADE 2

Aligning with CA CCSSM and Big Ideas

This map shows the CA CCSSM within each topic and their connection to other topics within the course. Each topic shows its alignment with one or more Big Ideas outlined in the California Mathematics Framework. For the readiness standards aligned to each topic in Grade 2, see the *Mathematical Progressions and Connections* document in the *Clear Learning Center*.

Module 1: Connecting Addition, Subtraction, and Place Value

- Topic 1: Composing and Decomposing to Add and Subtract** (2.OA.A, 2.OA.B, 2.OA.C, 2.NBT.1)
- Topic 2: Place Value Through 999** (2.OA.1, 2.NBT.1, 2.NBT.2, 2.NBT.3, 2.NBT.4, 2.NBT.7, 2.NBT.8)
- Topic 3: Using Place Value to Add and Subtract** (2.OA.1, 2.OA.3, 2.NBT.1, 2.NBT.5, 2.NBT.6, 2.NBT.7, 2.NBT.8, 2.NBT.9)

Module 2: Bridging Length and Number Lines

- Topic 4: Measuring Length** (2.MD.1, 2.MD.2, 2.MD.3, 2.MD.4, 2.MD.5, 2.MD.10)
- Topic 5: Addition and Subtraction on a Number Line** (2.NBT.1, 2.NBT.5, 2.NBT.7, 2.MD.1, 2.MD.6)

Module 3: Understanding Measures of Mass and Area

- Topic 6: Measuring Mass** (2.MD.8, 2.MD.10)
- Topic 7: Data Decisions at School** (2.MD.8, 2.MD.10)

Module 4: Using Fluency from All Grades

- Topic 8: Adding Length** (2.MD.8, 2.MD.10)
- Topic 9: Adding and Subtracting Fluently** (2.MD.1, 2.MD.6)

Module 5: Using Addition and Subtraction Strategies

- Topic 10: Strategies to Add and Subtract Fluently** (2.MD.1, 2.MD.6)
- Topic 11: Strategies to Add and Subtract Fluently** (2.MD.1, 2.MD.6)

Navigating to a citation using the Clear Learning Center

To access digital materials in the Clear Learning Center, go to the Reviewer Site at: www.carnegielearning.com/ca-state-review/elementary

3 Launch the Clear Learning Center

The CLC provides digital access to additional program resources, as noted in the Standards and Evaluation criteria maps. Click **Get Credentials** to access a bank of usernames and passwords. Once you find your name and credentials, click **Launch the CLC** to log in.

Get Credentials

Launch the CLC

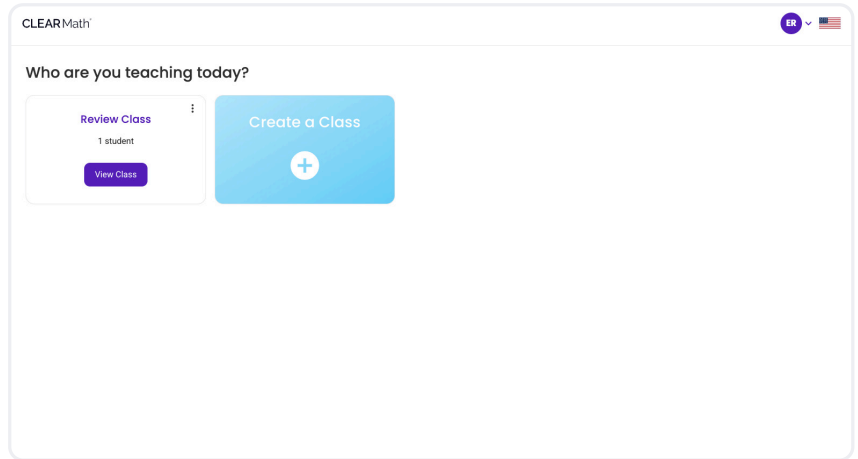
- Select “Get Credentials” to locate your login information.
- Select “Launch the CLC.”
- Enter your login credentials.

Sample Citation #2

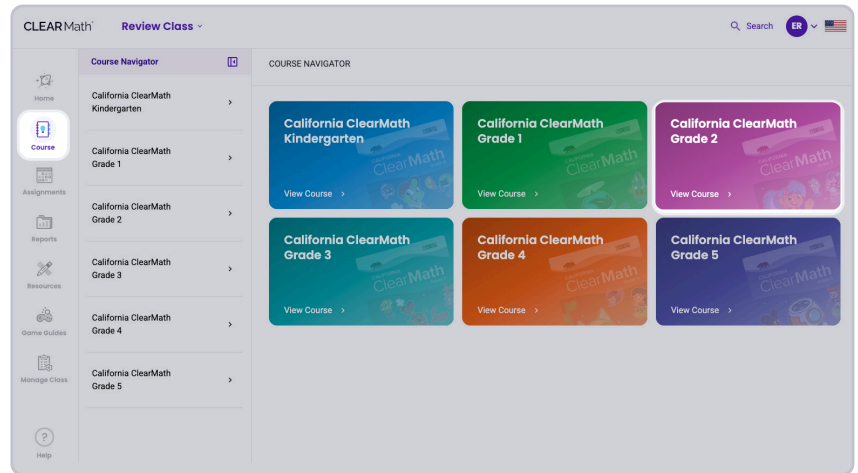
Criterion	Instructional Planning and Support	Publisher/Developer Citations	Met Yes	Met No	Reviewer Comments, Citations, and Questions
5.6	Materials make use of concrete representations, including manipulatives, audiovisual, multimedia, and interactive technology resources that support instruction of the CA CCSSM, and include clear instructions in their use for teachers and students. Where materials integrate technology – such as interactive tools, virtual manipulatives/objects, and / or dynamic mathematics software – they do so in ways that engage students in applying the standards.	<p>Overview of Concrete and Digital Tools to Support Standards-Aligned Instruction Instructional materials incorporate a range of concrete and digital resources to support the development of mathematical understanding. Clear instructions are provided to ensure effective use by both teachers and students. For an overview of these supports, refer to the <i>Intro to ClearMath</i>, <i>Inside the Student Experience</i>, and <i>Foundations for Effective Math Instruction</i> sections of the <i>Teacher’s Implementation Guide Overview</i> for each grade.</p> <p>For Grade 2 references, see: <i>Student Tools for Learning</i> – TIG pp. TIGO 20–21; <i>Unpacking a Re-Engagement Lesson</i> – TIG p. TIGO 55; <i>Emphasizing Focus, Coherence, and Balance</i> – TIG pp. TIGO 73–75</p>			<p>How-to-Play: Creating Fact Families Video – Available in the Clear Learning Center Navigate to Grade 2 > Module 1 > Topic 1 > Lesson 5 > Lesson Resources > How-to-Play Video;</p>

Grade 2 Clear Learning Center: How-to-Play Video Citation

Get started by clicking on **View Class**.

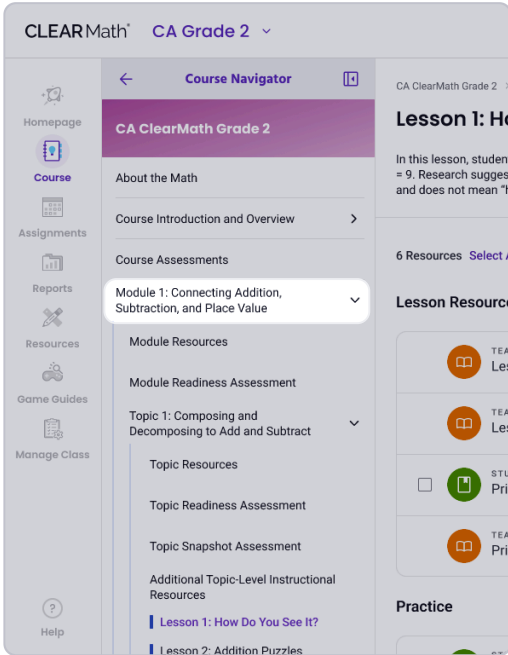


Select **Course** from the left hand navigation. Then select the grade. We will use **Grade 2** for this example.

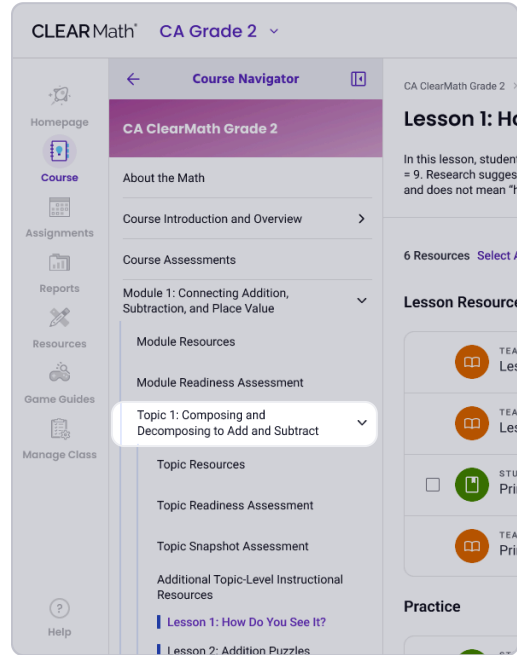


For this example, we will navigate to [M1, T1, L5] Module 1 > Topic 1 > Lesson 5 > Lessons Resources > How-to-Play Video

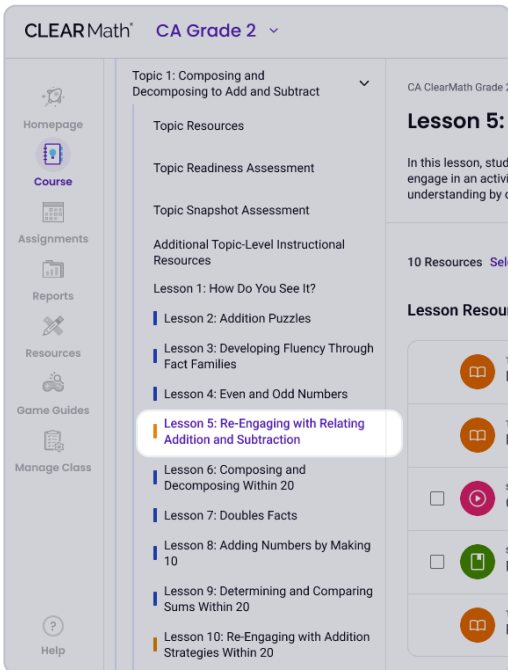
From the **Course Navigator** select **Module 1**.



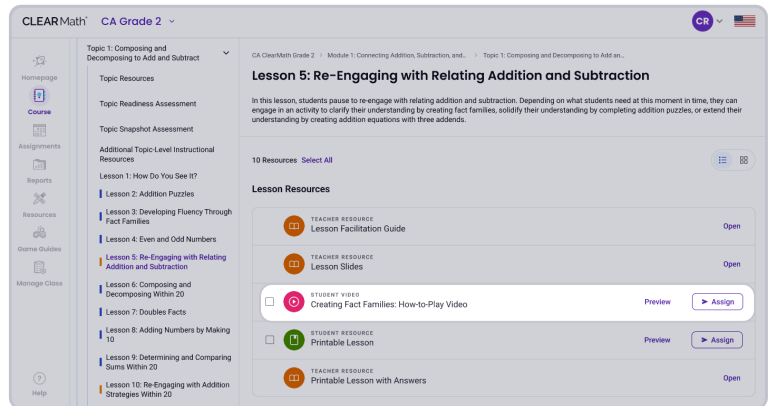
Select **Topic 1**.



Select **Lesson 5**.



In the **Lesson Resources** section, select **Preview** for **Create Fact Families: How-to-Play Video**.



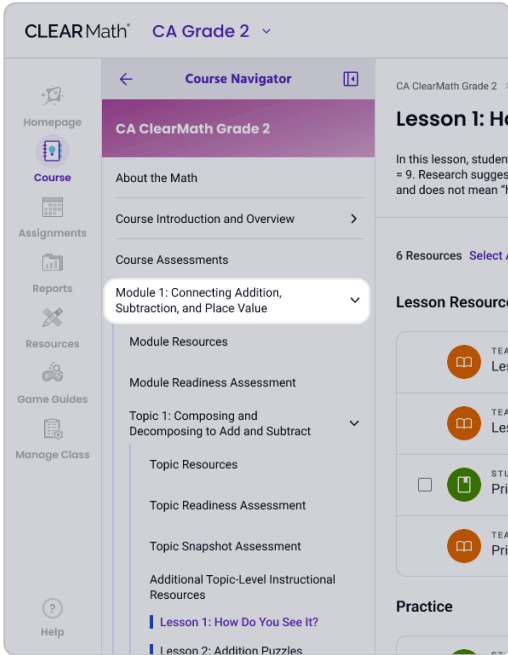
Sample Citation #3

Criterion	Instructional Planning and Support	Publisher/Developer Citations	Met Yes	Met No	Reviewer Comments, Citations, and Questions
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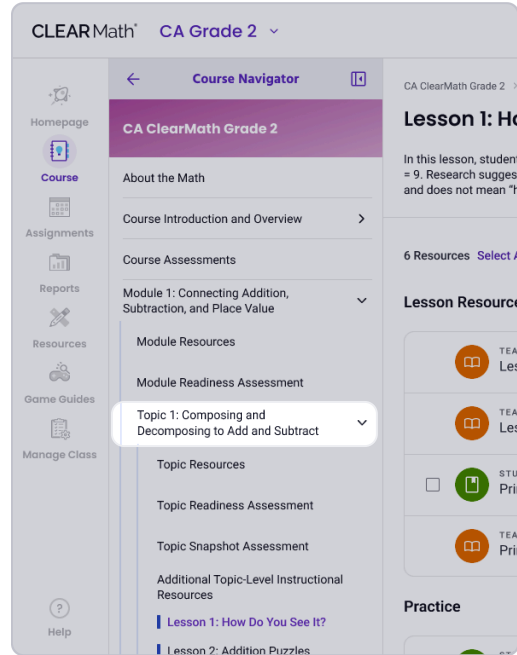
Grade 2 Clear Learning Center: MATHia Adventure Citation

For this example, we will navigate to
 [M1, T1, L5] Module 1 > Topic 1 > Lesson 5 >
 Lessons Resources > Explore Centers >
 Game Assignment

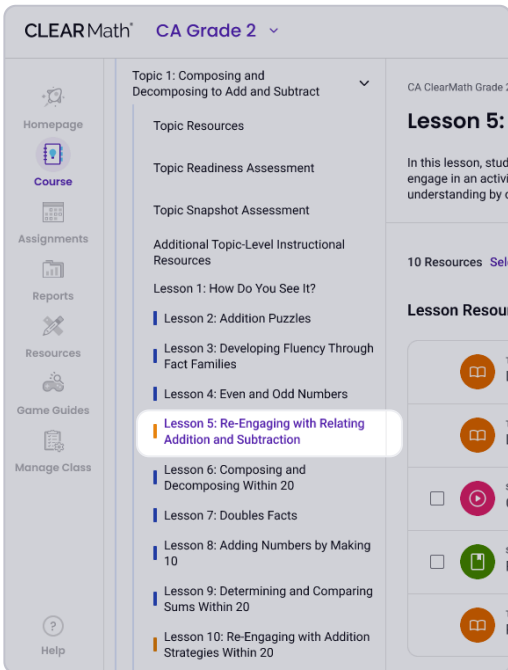
From the **Course Navigator** select **Module 1**.



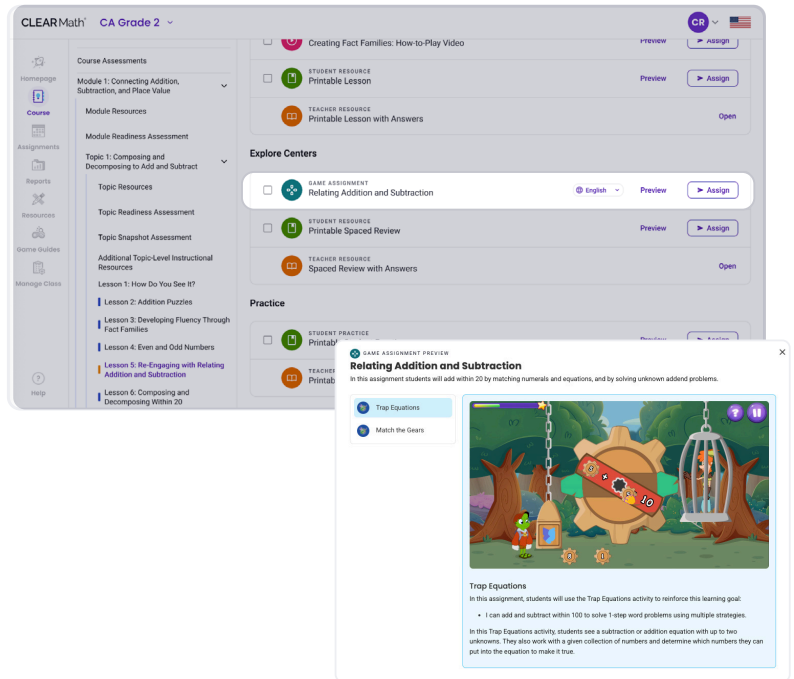
Select **Topic 1**.



Select **Lesson 5**.



In the **Explore Centers** section, select **Preview** for **Relating Addition and Subtraction**.

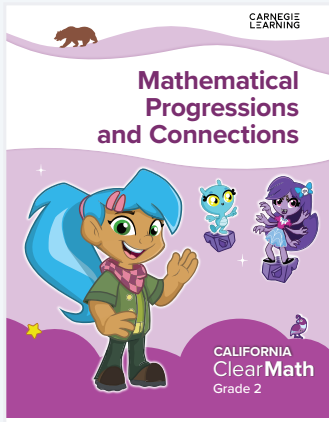


Additional Key Resources on the CLC

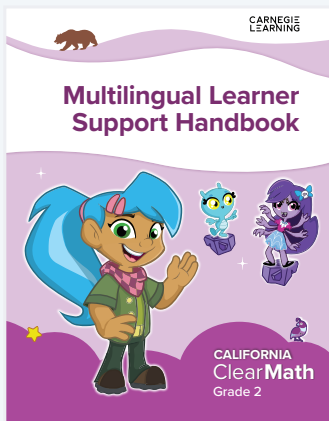
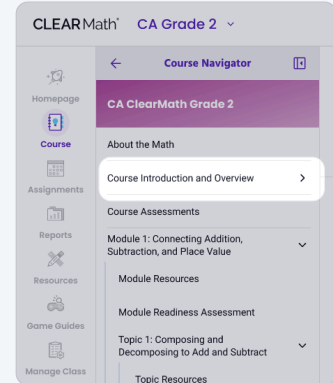
Key Resource

Example Citation

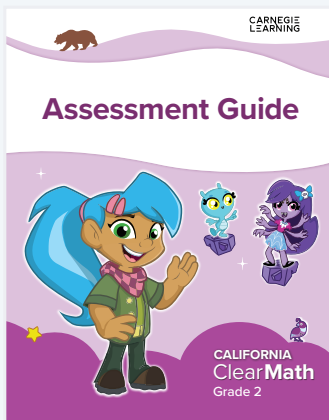
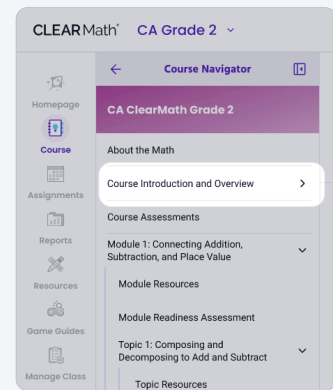
Where to Find on the CLC



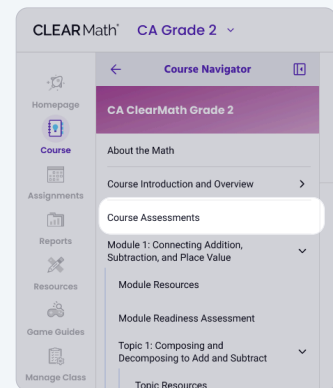
Course-Level Coherence Maps, Standards Overviews, and Progressions – Available in the Clear Learning Center
Navigate to Grade 2 > Course Introduction and Overview > Mathematical Progressions and Connections



Language Goals, Leveled Scaffolds, and Math Language Routines – Available in the Clear Learning Center
Navigate to Grade 2 > Course Introduction and Overview > Multilingual Learner Support Handbook;



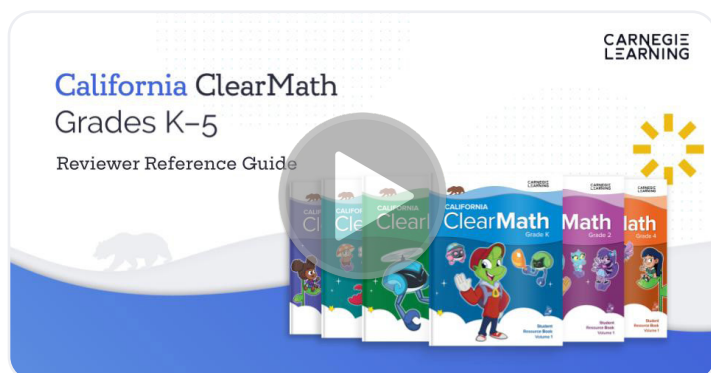
**For a Grade 2 reference, see: *Habits of Mind (SMPs)* – Available in the Clear Learning Center
Navigate to Grade 2 > Course Assessments > Assessment Guide (pp. 13–15)**



These resources can also be found at the topic level within a module.

Reviewer Reference Guide Video

To view the Reviewer Reference Guide Video, paste the link below into your browser. It includes citation examples and tips for reviewing course content and navigating our materials.



Reviewer Reference Guide Video (Grades K–5)

<https://vimeo.com/1080625980/30ea83f8c2>

Thank You

We are grateful for your time and thoughtful consideration of our programs. It is our mission to ensure that all students in California receive high-quality, standards-aligned mathematics instruction that builds deep understanding and confidence.