*This advisory recommendation has not been approved by the Instructional Quality Commission or the State Board of Education*

# Review Panel Advisory Recommendation 2025 Mathematics Instructional Materials Adoption

| **Publisher** | **Program** | **Grade Level(s)** |
| --- | --- | --- |
| TPS Publishing Inc. | *STEAM into Big Ideas Mathematics* | K–8 |

## Program Summary:

The *STEAM into Big Ideas Mathematics* K–8 program includes the following: Big Ideas Kindergarten Teacher Project Guide (PGG0TE). Big Ideas Kindergarten Student Project Guide (PGG0SE). Kindergarten STEM Teacher Project Guide (SPGG0TE). Kindergarten STEM Student Project Guide (SPGG0SE). Kindergarten Combined Strategies Teacher Review - Counting and Cardinality (CSG0CCTE). Kindergarten Combined Strategies Student Review - Counting and Cardinality (CSG0CCSE). Kindergarten Combined Strategies Teacher Review - Measurement & Data and Geometry (CSG0MDGTE). Kindergarten Combined Strategies Student Review - Measurement & Data and Geometry (CSG0MDGSE). Kindergarten Combined Strategies Teacher Review - Algebraic Thinking and Number & Operations in Base Ten (CSG0ONTE). Kindergarten Combined Strategies Student Review - Algebraic Thinking and Number & Operations in Base Ten (CSG0ONSE).

Big Ideas Grade 1 Teacher Project Guide (PGG1TE). Big Ideas Grade 1 Student Project Guide (PGG1SE). Grade 1 STEM Teacher Project Guide (SPGG1TE). Grade 1 STEM Student Project Guide (SPGG1SE). Grade 1 Combined Strategies Teacher Review - Operations and Algebraic Thinking (CSG1OATE). Grade 1 Combined Strategies Student Review - Operations and Algebraic Thinking (CSG1OASE). Grade 1 Combined Strategies Teacher Review - Number and Operations in Base Ten (CSG1NBTTE). Grade 1 Combined Strategies Student Review - Number and Operations in Base Ten (CSG1NBTSE). Grade 1 Combined Strategies Student Review - Measurement & Data and Geometry (CSG1MDGTE). Grade 1 Combined Strategies Teacher Review - Measurement & Data and Geometry (CSG1MDGSE).

Big Ideas Grade 2 Teacher Project Guide (PGG2TE). Big Ideas Grade 2 Student Project Guide (PGG2SE). Grade 2 STEM Teacher Project Guide (SPGG2TE). Grade 2 STEM Student Project Guide (SPGG2SE). Grade 2 Combined Strategies Teacher Review - Operations and Algebraic Thinking (CSG2OATE). Grade 2 Combined Strategies Student Review - Operations and Algebraic Thinking (CSG2OASE). Grade 2 Combined Strategies Teacher Review - Number and Operations in Base Ten (CSG2NBTTE). Grade 2 Combined Strategies Student Review - Number and Operations in Base Ten (CSG2NBTSE). Grade 2 Combined Strategies Student Review - Measurement & Data and Geometry (CSG2MDGTE). Grade 2 Combined Strategies Teacher Review - Measurement & Data and Geometry (CSG2MDGSE).

Big Ideas Grade 3 Teacher Project Guide (PGG3TE). Big Ideas Grade 3 Student Project Guide (PGG3SE). Grade 3 STEM Teacher Project Guide (SPGG3TE). Grade 3 STEM Student Project Guide (SPGG3SE). Grade 3 Combined Strategies Teacher Review - Operations and Algebraic Thinking (CSG3OATE). Grade 3 Combined Strategies Student Review - Operations and Algebraic Thinking (CSG3OASE). Grade 3 Combined Strategies Teacher Review - Number and Operations - Fractions (CSG3NFTE). Grade 3 Combined Strategies Student Review - Number and Operations - Fractions (CSG3NFSE). Grade 3 Combined Strategies Teacher Review - Number and Operations in Base Ten (CSG3NBTTE). Grade 3 Combined Strategies Student Review - Number and Operations in Base Ten (CSG3NBTSE). Grade 3 Combined Strategies Student Review - Measurement & Data and Geometry (CSG3MDGTE). Grade 3 Combined Strategies Teacher Review - Measurement & Data and Geometry (CSG3MDGSE).

Big Ideas Grade 4 Teacher Project Guide (PGG4TE). Big Ideas Grade 4 Student Project Guide (PGG4SE). Grade 4 STEM Teacher Project Guide (SPGG4TE). Grade 4 STEM Student Project Guide (SPGG4SE). Grade 4 Combined Strategies Teacher Review - Operations and Algebraic Thinking (CSG4OATE). Grade 4 Combined Strategies Student Review - Operations and Algebraic Thinking (CSG4OASE). Grade 4 Combined Strategies Teacher Review - Number and Operations - Fractions (CSG4NFTE). Grade 4 Combined Strategies Student Review - Number and Operations - Fractions (CSG4NFSE). Grade 4 Combined Strategies Teacher Review - Number and Operations in Base Ten (CSG4NBTTE). Grade 4 Combined Strategies Student Review - Number and Operations in Base Ten (CSG4NBTSE). Grade 4 Combined Strategies Student Review - Measurement & Data and Geometry (CSG4MDGTE). Grade 4 Combined Strategies Teacher Review - Measurement & Data and Geometry (CSG4MDGSE).

Big Ideas Grade 5 Teacher Project Guide (PGG5TE). Big Ideas Grade 5 Student Project Guide (PGG5SE). Grade 5 STEM Teacher Project Guide (SPGG5TE). Grade 5 STEM Student Project Guide (SPGG5SE). Grade 5 Combined Strategies Teacher Review - Operations and Algebraic Thinking (CSG5OATE). Grade 5 Combined Strategies Student Review - Operations and Algebraic Thinking (CSG5OASE). Grade 5 Combined Strategies Teacher Review - Number and Operations - Fractions (CSG5NFTE). Grade 5 Combined Strategies Student Review - Number and Operations - Fractions (CSG5NFSE). Grade 5 Combined Strategies Teacher Review - Number and Operations in Base Ten (CSG5NBTTE). Grade 5 Combined Strategies Student Review - Number and Operations in Base Ten (CSG5NBTSE). Grade 5 Combined Strategies Student Review - Measurement & Data and Geometry (CSG5MDGTE). Grade 5 Combined Strategies Teacher Review - Measurement & Data and Geometry (CSG5MDGSE).

Big Ideas Grade 6 Teacher Project Guide (PGG6TE). Big Ideas Grade 6 Student Project Guide (PGG6SE). Grade 6 STEM Teacher Project Guide (SPGG6TE). Grade 6 STEM Student Project Guide (SPGG6SE). Grade 6 Combined Strategies Teacher Review - Volume 1 (CSG6V1TE). Grade 6 Combined Strategies Student Review - Volume 1 (CSG6V1SE). Grade 6 Combined Strategies Teacher Review - Volume 2 (CSG6V2TE). Grade 6 Combined Strategies Student Review - Volume 2 (CSG6V2SE).

Big Ideas Grade 7 Teacher Project Guide (PGG7TE). Big Ideas Grade 7 Student Project Guide (PGG7SE). Grade 7 STEM Teacher Project Guide (SPGG7TE). Grade 7 STEM Student Project Guide (SPGG7SE). Grade 7 Combined Strategies Teacher Review - Volume 1 (CSG7V1TE). Grade 7 Combined Strategies Student Review - Volume 1 (CSG7V1SE). Grade 7 Combined Strategies Teacher Review - Volume 2 (CSG7V2TE). Grade 7 Combined Strategies Student Review - Volume 2 (CSG7V2SE).

Big Ideas Grade 8 Teacher Project Guide (PGG8TE). Big Ideas Grade 8 Student Project Guide (PGG8SE). Grade 8 STEM Teacher Project Guide (SPGG8TE). Grade 8 STEM Student Project Guide (SPGG8SE). Grade 8 Combined Strategies Teacher Review - Volume 1 (CSG8V1TE). Grade 8 Combined Strategies Student Review - Volume 1 (CSG8V1SE). Grade 8 Combined Strategies Teacher Review - Volume 2 (CSG8V2TE). Grade 8 Combined Strategies Student Review - Volume 2 (CSG8V2SE).

iMast STEM Guides (IMAST). STEAM into Big Ideas Mathematics - Implementation Guide (IGCG).

Environmental Principles and Concepts Activity Book (ECP). K–5 - Assessment Generator (AGK5). 6–8 - Assessment Generator (AG68). Interactive Assessment tool (IST). Interactive Homework System (IHS). Intervention Focus Tutorial (IFT). Big Ideas - Math Online STEAM Library - Elementary. Big Ideas - Math Online STEAM Library – Middle. Big Ideas - Inclusive Community Reader Activity Library. Big Ideas - Inclusive Community Math After School Math Club Library. Big Ideas - Inclusive Community Math After School PSHE Library. Big Ideas - Inclusive Community Math Literacy and Reteach Library. Big Ideas - Inclusive Community Preferred Supplier 'Didax' Library. Big Ideas - Inclusive Community Homework and Applied Math Library. Big Ideas - Teacher Support - Blackline Master. Big Ideas - Teacher Support. Big Ideas - Environmental Principles and Concepts. Big Ideas - Online Assessment Library K–8.

## Recommendation:

*STEAM into Big Ideas Mathematics* is recommended for adoption for grades K–8 because the instructional materials include content as specified in the *California Common Core State Standards for Mathematics* (*CA CCSSM*) and meets the rest of the criteria in category 1 with strengths in categories 2–5.

### Criteria Category 1: Mathematics Content/Alignment with Standards

The program supports teaching to the *CA CCSSM* for the intended grade level(s) in alignment with the *Mathematics Framework for California Public Schools: Kindergarten Through Grade Twelve*. The program meets all of the evaluation criteria in category 1.

#### Citations:

* Criterion 1.1: Grade K, Teacher Project Guide, Counting, Sorting and Comparing pp. 1–11
* Criterion 1.1: Grade 1, Teacher Project Guide, Student Skills pp. 151–213
* Criterion 1.1: Grade 2, Teacher Project Guide, Combined Strategies Student Review, Operations & Algebraic Thinking, pp. 142–157
* Criterion 1.1: Grade 3, PGG3TE, Projects pp. 591–613
* Criterion 1.1: Grade 4, PGG4TE, Projects pp. 1–202
* Criterion 1.1: Grade 5, SPGG5TE, Cryptology pp. 1–14
* Criterion 1.1: Grade 6, PGG6TE, Student Skills pp. 219–227
* Criterion 1.1: Grade 7, PGG7TE, Projects pp. 1–264
* Criterion 1.1: Grade 8, PGG8TE, Student Skills pp. 227–245
* Criterion 1.2: Grade 6, PGG6TE, Projects pp. 1–18
* Criterion 1.2: Grade 7, PGG7TE, Projects pp. 56–86
* Criterion 1.2: Grade 8, PGG8TE, Projects pp. 1–22
* Criterion 1.3: Grade 3 Teacher Project Guide - Vocabulary p. 29
* Criterion 1.4: Grade 4 Teacher Project Guide - Environmental Principles and Concepts Project pp. 554–575
* Criterion 1.4: Grade 5 Teacher Project Guide - Project - Climate Change pp. 22–40

### Criteria Category 2: Program Organization

The organization and features of the instructional materials support instruction and learning of the standards.

#### Citations:

* + Criterion 2.2: Grade 6, Online Teacher Support Library - Scope and Sequence <http://www.tpspublishing.com/my-resources/index.php?menu=1243&resource=5984&page=1>
  + Criterion 2.4, Grade K, Teacher Project Guide, Big Idea 2: How Many?, Project Counting, Reflection p. 38
  + Criterion 2.4, Grade 8, Teacher Project Guide, Extreme Weather, Reflection p. 29
  + Criterion 2.4: IFT - Intervention Focus Tutorial <https://www.tpspublishing.com/math-adoption/CA13/focus-tutorial/index.php>

### Criteria Category 3: Assessment

The instructional materials contain strategies and tools for continually assessing student understanding and opportunities for new learning.

#### Citations:

* + Criterion 3.1: Grade 2, Mathematics Assessment Teacher Edition p. 1
  + Criterion 3.2: Grade 5, AGK5 - Assessment Generator by Standard and by Skill Levels
  + Criterion 3.3: Grade 4, Teacher Project Guide - SMP Assessments pp. 576–598
  + Criterion 3.4: Grade 3, PGG3TE - Lesson plan - Entry, Developing, Mastery pp. 4–5
  + Criterion 3.5: Grade 4, PGG4TE - Projects - Performance Tasks pp. 371–377

### Criteria Category 4: Access and Equity

Program resources incorporate recognized principles, concepts, and research-based strategies to meet the needs of all students and provide equal access to learning through lessons that are relevant to the students. Instructional resources include suggestions for teachers on how to differentiate instruction to meet the needs of all students. Instructional resources provide guidance to support students who are English learners, at-promise, advanced learners, and students with learning disabilities.

#### Citations:

* + Criterion 4.1: Grade 8, Project Guide Introduction pp. xiv–xix
  + Criterion 4.2: Grade 2, PGG2TE - ELD Support, SEN Support, Language Journal, At Home and in the Community & Language Goals pp. 6–8
  + Criterion 4.2: Grade 6, Combined Strategies Student Review, pp. 179–188
  + Criterion 4.4: Grade 7, Teacher Project Guide - ESL Support, SEN Support, At Home and in the Community p. 12

### Criteria Category 5: Instructional Planning and Support

The instructional materials contain a clear road map to assist teachers when planning instruction for the specific needs and context of their students. The instructional resources support Universal Design for Learning and culturally and linguistically responsive instruction to improve and optimize teaching and make learning more equitable.

#### Citations:

* + Criterion 5.1: VMP - Vertical Mathematics Plan <http://www.tpspublishing.com/my-resources/index.php?menu=1240&resource=6031&page=1>
  + Criterion 5.3: Grade 1 Online Teacher Support Library - Pacing Plans-sample <http://www.tpspublishing.com/my-resources/index.php?menu=1241&resource=6051&page=1>
  + Criterion 5.4: Grade 4 Teacher Project Guide Scope and Sequence pp. li–lxiv
  + Criterion 5.5: Grades 6–8 Big Ideas Assessment Data Base by Standard [tpspublishing.com/CA\_Math25/math-6-8-assessment/start.htm?grd=1](https://www.tpspublishing.com/CA_Math25/math-6-8-assessment/start.htm?grd=1)

## Edits and Corrections:

The following edits and corrections must be made as a condition of adoption:

| **#** | **Grade level** | **Component** | **Page number or URL** | **Current text** | **Proposed corrected text** | **Reason for edit** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | Combined Strategies Teacher Review: Operations & Algebraic Thinking | p. 14 | (sentence is cut off at the end of the page) | Complete the sentence. | Sentence in incomplete. |

## Social Content Citations

None

California Department of Education, August 2025