*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)** |
| --- | --- | --- |
| Barobo, Inc. | *RoboBlocky Math: Mathematics 1* | **Mathematics 1** |

## Program Summary:

The *RoboBlocky Math: Mathematics 1* program includes the following: RoboBlocky Website; RoboBlocky Math: Integrated Mathematics 1 Workbook.

## Recommendation:

*RoboBlocky Math: Mathematics 1* is recommended for adoption for Integrated Mathematics 1 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:
  + - G-GPE.7 - RoboBlocky Website, 20.7 (Part A & B) Big Ideas Project: Design a Table
    - G-GPE.7 - RoboBlocky Website, 21.5 (Part C) Big Ideas Project: Design a Table
    - G-GPE.5, A-CED.2, F-LE.5 - RoboBlocky Website, 22.7 (Part D) Big Ideas Project: Design a Table
    - G-CO.2, G-CO.5 - RoboBlocky Website, 23.14 (Part E) Big Ideas Project: Design a Table
* Criterion 1.2:
  + - RoboBlocky Website, Lesson 11.3 (Big Idea Project: Food Truck Business - multiple parts spiral in other chapters)
    - RoboBlocky Website, Lesson 2.7.1 (Big Idea Project: Buying your First Car - multiple parts spiral in other chapters)
    - RoboBlocky Website, Lesson 18.8.1 (Big Idea Project: Greenhouse Gas Emissions - multiple parts spiral in other chapters)
* Criterion 1.3: RoboBlocky Website, Lesson 9.1.1 Linear Equations in Standard Form
* Criterion 1.4:
  + - RoboBlocky Website (Instructor View), Curriculum Overview, Curriculum Components, California Education and the Environment Initiative (EEI) Lessons and Activities, View This Lesson Link
    - RoboBlocky Website (Instructor View), 18.8 Big Idea Project EEI: Greenhouse Gas Emissions

### Criteria Category 2: Program Organization

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

#### Citations:

* Criterion 2.3: RoboBlocky Website
  + 18.8 Big Ideas Project: Greenhouse Gas Emissions
  + 14.7, 15.3, 16.5, 17.6 Big Ideas Project: Cost of College
* Criterion 2.5: RoboBlocky Website, Chapter 2 Chapter Guide, Differentiation at the Chapter Level, Following 4 Sections: English Learners, At Promise Learners, Advanced Learners, and Resource Program Learners
* Criterion 2.6:
  + RoboBlocky Website (Instructor View), Curriculum Overview, Scope and Sequence
  + RoboBlocky Website (Instructor & Student View), Glossary and Index
* RoboBlocky Math: Integrated Mathematics 1 Workbook - Table of Contents
* Criterion 2.7: RoboBlocky Website, “i” button, SMPs and content standards, Curriculum Overview (Math Concepts and Big Ideas)
* Criterion 2.8: RoboBlocky Website, Curriculum Overview, Scope and Sequence for RoboBlocky Integrated Math 1 (180 Days)
* Criterion 2.9: RoboBlocky Website, Curriculum (Blue Button), Integrated Math 1 (Book image), Standards (Blue Button)

### 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:
  + RoboBlocky Website, 4.1.2 RoboBlocky Instructional Model (journal and reflection)
  + RoboBlocky Website, Documents, Instructor’s Guide, Chapter 12 Real-Time Learning Management and Interaction
  + RoboBlocky Website, 14.7, 15.3, 16.5, 17.6 Big Ideas Project: Cost of College
  + Criterion 3.2: RoboBlocky Website, IM I Curriculum Overview (Summative Assessment and Beginning of Year/End of Year Assessments); Applied Math Test “Comparing Social Media Followers” (Ch16); Standardized Math Test “Test: Exponential Growth Situation” (Ch16)
* Criterion 3.6:
  + RoboBlocky Website (Instructor View), Curriculum Overview, Assessment, P-Prompts
  + RoboBlocky Website (Instructor View) Ch12 Section Lesson Plan, Checklist PDF, Teacher Feedback [https://drive.google.com/file/d/1Iuvdw2x10t1AT4SMnzYz3sXERZxpi](https://drive.google.com/file/d/1Iuvdw2x10t1AT4SMnzYz3sXERZxpiKzU/view?usp=sharing) [KzU/view?usp=sharing](https://drive.google.com/file/d/1Iuvdw2x10t1AT4SMnzYz3sXERZxpiKzU/view?usp=sharing)
* Criterion 3.5:
  + RoboBlocky Website (Instructor View), Curriculum Overview, Assessment
  + RoboBlocky Website (Instructor View), Chapter 24 Chapter Guide, Review and Assessment

### 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: RoboBlocky Website (Instructor View), Chapter Guides, English Learners, At Promise Learners, Advanced Learners, and Resource Program Learners; Language Translation and Read Aloud
* Criterion 4.3: RoboBlocky Website, Chapter 2 Chapter Guide, Differentiation at the Chapter Level, Following 4 Sections: English Learners, At Promise Learners, Advanced Learners, and Resource Program Learners
* Criterion 4.4: RoboBlocky Website, Documents, Downloadable Teacher Resource Files, Graphical Organizer
* Criterion 4.6:
  + RoboBlocky Website (Instructor View), Curriculum Overview, General Differentiation
* RoboBlocky Website (Instructor View), Chapter 24 Chapter Guide, Differentiation at the Chapter Level
* RoboBlocky Website (Instructor View), Chapter 13 Chapter Guide, 13.5 Section Lesson Plan, Differentiation
* Criterion 4.7: RoboBlocky Website
  + Chapter 7, Activity 7.1.2
  + Chapter 20, Activity 20.3.2

### 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 5.3: RoboBlocky Website, Chapter 2 Chapter Guide, Time (7 out of 180 Days), Warm ups (Sections 2.1–2.6), and Differentiation at the Chapter Level (English Learners, At Promise Learners, Advanced Learners, and Resource Program Learners)
* Criterion 5.4: RoboBlocky Website (Instructor View), Curriculum Overview, Scope and Sequence
* Criterion 5.7:
* RoboBlocky Website, Workbook (Blue Button)
* RoboBlocky Website, Chapter 7 , Activity 7.1.2 “New Problem” (Green button on Grid)
* Criterion 5.10: RoboBlocky Website (Instructor View), Lesson Description for 10.3.1

## 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 | IM 1 | Images that are projected over graphs | 1.2.2: Use different variable Types | NA | Make image more Transparent | Supports for visually impaired students |
| 2 | IM 1 | Images that are projected over graphs | 3.2.4: Move the fish to solve algebraic equations | NA | Make image more Transparent | Supports for visually impaired students |
| 3 | IM 1 | Images that are projected over graphs | 3.2.5: Move the Rocket to the Correct Location | NA | Make image more Transparent | Supports for visually impaired students |
| 4 | IM 1 | Images that are projected over graphs | 4.1.6: Position and Distance | NA | Make image more Transparent | Supports for visually impaired students |
| 5 | IM 1 | Images that are projected over graphs | 3.2.4: Move the Rocket to the Correct Location | NA | Make image more Transparent | Supports for visually impaired students |
| 6 | IM 1 | [Alignment w/ SMP/CCSSM](http://barobo.s3.us-east-1.amazonaws.com/roboblocky/SMP-CCSS-AlignmentForRoboBlockyMath/SMP-CCSS-AlignmentForRoboBlockyMathIM1.pdf) | 17 of 33 | NA | Remove F.IF.7b row description in this document for the Integrated 1 RoboBlocky website | not a part of 2013 California Standards for Integrated 1  (Note: \*F-IF.7b is a standard for Alg1) |

## Social Content Citations

None

California Department of Education, August 2025