

2019 Instructional Material Summer Review Institute

Review Team Appraisal of Title

(K-8 Mathematics)

This appraisal form is provided for use by educators responsible for the selection of instructional materials for implementation with districts and charter schools across New Mexico to meet the needs of their student populations.

This appraisal form should be used in conjunction with the publisher provided Form D: Research Based Effectiveness Determination that supports this reviewed material which can be found on the Instructional Material Bureau website.

<https://webnew.ped.state.nm.us/bureaus/instructional-materials/the-adoption-cycle/>

IM Title	Imagine Learning Illustrative Mathematics Curriculum Grade 1 (Digital Only) 1 year	Publisher	Imagine Learning LLC
SE ISBN	9798885223973	TE ISBN	9798885223980
SW ISBN	9798885223997	Grade Level/Content	Grade 1 Mathematics

Core Material Designation (Core Material is - the comprehensive print or digital educational material, including basal material, which constitutes the necessary instructional components of a full academic course of study in those subjects for which the department has adopted content standards and benchmarks.)

Recommended Recommended with Reservations _____ Not Recommended _____

Total Score

Reviewer #1 92% Reviewer #2 88% Reviewer #3 89% Average 90%

Standards Review - Materials are reviewed for alignment with the state adopted content standards, benchmarks and performance standards.

Reviewer #1 92% Reviewer #2 87% Reviewer #3 87% Average 89%

Materials align with grade level standards.
<p><i>Statements of appraisal and supporting evidence:</i> The materials meet the first grade standards. There is a clear scope and sequence that builds from conceptual understanding to procedural fluency to application. Materials provide opportunities for distributed practice through centers. Assessments include formative assessment, end of unit assessment, Cool Downs (shorter), practice problems after each section allowing for assessment of the material, and checklists for use during observation of students working on performance tasks related to grade level standards. Individual lessons include content standards and math practice standards. The Teacher Source Book and online components include lessons listed by standard as well as standards addressed by lesson.</p>
Materials align to standards of mathematical practice.
<p><i>Statements of appraisal and supporting evidence:</i> This material aligns well to the mathematical practices, which is evidenced by the citing of a variety of practices in each of the content specific areas. Math Practices are noted in each lesson; there are often multiple Math Practices</p>

embedded in a single lesson. Instructional routines (detailed in the Teacher Course Book) support successful implementation of the Math Practices.

Materials show aspects of rigor.

Statements of appraisal and supporting evidence:

The materials are rigorous in conceptual understanding as presented in the materials through the centers, which include distributed practice, and the wrap up in Unit 8. Procedural skill and fluency is presented in Center Activities throughout the year. Opportunities for students to apply the math concepts being learned are frequent. In Unit 8, students are given the opportunity to apply what they have learned throughout the year. There are checkpoint lists available to monitor application of content standards.

Math Content Review - Materials are reviewed for relevant criteria pertaining to the support for teachers and students in the specific reviewed content area.

Reviewer #1 100% Reviewer #2 100% Reviewer #3 100% Average 100%

Materials are consistent with grade level content, supporting the intent of the delivery and understanding of mathematics.

Statements of appraisal and supporting evidence:

Materials are consistent with grade level content, supporting the intent of the delivery and understanding of mathematics. Each unit has Launch videos created for teachers to support mathematical concepts in the unit. Videos include Learning Narrative, Learning Progression, and Learning Supports. Videos help build teacher knowledge. Lessons contain learning targets and standards addressed.

Materials support student learning of mathematics.

Statements of appraisal and supporting evidence:

The materials support student learning in mathematics in many ways. In all units, the digital platform allows teachers to provide families videos and Unit Overview documents that support and explain the skills and concepts. All Home Connections materials are available in English and Spanish. The materials include research-based instructional routines with clear guidance on how to develop those routines within a math classroom community. Within the routines, the lessons give students plenty of time to discuss their thinking, such as "What do you notice, what do you wonder? Discuss your thinking with your partner". Distributed practice is integrated throughout the units during center time. The last unit is a culmination of all grade level standards in which students apply their understanding of grade level content standards.

All Content Review - Materials are reviewed for relevant criteria pertaining to the support for teachers and students in the material regarding the progression of the standards, lesson structure, pacing, assessment, individual learners and cultural relevance.

Reviewer #1 89% Reviewer #2 91% Reviewer #3 92% Average 91%

Materials are consistent with the progressions in the standards.

Statements of appraisal and supporting evidence:

Materials are consistent with the progressions in the standards. The material includes 8 Units containing between 8-28 lesson plans, with an average of 23 days per unit to include two days embedded for assessments. Daily lesson plans are designed to fit within a period that is at least 60 minutes long. The TE has suggestions for optional lessons to include per unit. There is a Grade 1 Dependency Chart that outlines standards progression and relationships in each unit.

Materials foster coherence through connections at a single grade, where appropriate and required by the standards.

Statements of appraisal and supporting evidence:

The materials foster coherence through each lesson by listing the standards that are addressed within the lesson as well as standards that are being introduced. In each section of the lesson, the individual standard(s) is/are listed. The first grade standards are all met throughout the materials and are assessed in the practice problems, End of Unit Assessments and Checkpoints.

Materials are well designed and take into account effective lesson structure and pacing.

Statements of appraisal and supporting evidence:

The material has a layout that is consistent throughout. There are a variety of photographs and images that illustrate ways to engage students and inform instructional decisions. The materials also require students to discuss their thinking throughout each lesson. In the Teacher Course Guide, there are several sections that explain to teachers the “why” behind the material in its entirety. (Key Structures in This Course, How to Use the Materials, Advancing Mathematical Language and Access for Students with Disabilities, Assessment Guidance).

Materials offer teachers resources and tools to collect ongoing data about student progress on the standards.

Statements of appraisal and supporting evidence:

The materials offer multiple resources for teachers to collect ongoing data. These are offered online and can be printed as a PDF document. There is a Pre-Assessment that assesses the prior grade level standards to assess student readiness for work in the upcoming unit. At the end of most lessons there are Cool-Down Exit tickets. Most units are broken into sections. At the end of each section, there is a Checkpoint tracking chart to help teachers assess student progression toward learning goals. At the end of each unit there are End of Unit Assessments.

Materials give all students extensive opportunities and support to explore key concepts.

Statements of appraisal and supporting evidence:

Materials give students many opportunities and support to explore concepts through embedded centers in each lesson. Distributed practice is consistently incorporated into the material through the centers.

Materials support effective use of technology to enhance student learning. Digital materials are accessible and available on multiple platforms.

Statements of appraisal and supporting evidence:

The materials include online presentations with slides and links, both student-facing and teacher-facing. The materials also include virtual manipulatives. Students can be assigned lessons and assessments through the online platform. The materials include an ebook and PDF version of the Teacher Course Book, Teacher Unit Guides, and Teacher Resource Pack (per unit) and Student Workbook. There are also teacher, student, and family videos that explain the lessons.

Materials can be easily customized for individual learners.

Statements of appraisal and supporting evidence:

The materials can be customized for students who are English Learners and for Students with Disabilities. The material builds on foundational principles for supporting language development for all students. Some lessons provide strategies for each of these groups. Although the materials for 1st grade do provide some strategies to enhance learning, center components offer opportunities for customizing individual learning and providing materials that support and challenge students in levels of readiness.

Materials take into account cultural perspectives.

Statements of appraisal and supporting evidence:

The cultural perspectives for the material are at a surface level. The student workbook edition depicts pictures and drawings that reflect real world common items.

Reviewer Professional Summation - *These materials are reviewed by Level II and Level III educators from across New Mexico. The reviewers have brought their knowledge, experience and expertise into the review of these materials. They offer here their individual summary of the material as a whole.*

Reviewer # 94 background and experience: Lever III Teacher, 24 years in education (21 years teaching experience, 4 years K-5 instructional coach), NBCT Middle Childhood Generalist, Endorsements: Elem. Math Specialist, Reading, Admin, MAT Elem. Ed. and MAT in Curriculum and Instruction

IM= Instructional Material SE= Student Edition TE= Teacher Edition SW= Student Workbook

Professional summary of material:

Illustrative Math curriculum for grade 1 addresses all of the NM CCSS; units and lessons emphasize the major cluster standards. Videos are available in units for three audiences: for teachers to build background knowledge; for students to engage them in the work of the unit and content of the grade level; and for families to build home-school connections. The K-5 Unit Dependency Chart clearly outlines the relationship between grade level content at the vertical alignment level. The Teacher Course Book explains and outlines manipulatives and visual representations in terms of how and why they are used. There is also a flow chart by strand that shows the progression from concrete to abstract. Within the teaching notes, the materials to copy are noted and linked for quick reference.

Reviewer # 95 background and experience: Level III Teacher, NBCT Early Childhood Generalist, 10 years of teaching experience; 3 years in 2nd Grade and 7 years in 1st Grade. Bachelor of Elementary Education minor in Social Studies.

Professional summary of material:

Imagine Learning does a great job covering all of the standards in a rigorous way. Students are given many opportunities to share their thinking through the checkpoints and end of unit assessments. The material has a great way of informing teachers of what students are learning through the parent videos and the parent take home letters. Teachers are also given background knowledge of the materials and an understanding of why the materials are laid out the way they are.

Reviewer # 96 background and experience: Level III Dual language teacher, NBCT in teaching English as a new language, with an endorsement in TESOL, Elem. Math Specialist and bilingual education, 14 years of teaching experience, MA in Curriculum and Instruction

Professional summary of material:

The material covers the CCSS for 1st grade well, with most work emphasizing major cluster standards; it has a reasonable amount of material to cover within a school year. The material provides strategies and supports for English Learners and provides a Universal Design for Learning. The aspects of rigor are present but attention to procedural fluency when working with the operations and algebraic thinking domain is a developing aspect. The material embeds time within lessons for students to engage in center work tied to goals and standards being worked on. The cultural aspect of the material is surface level.