

Vendor: Curriculum Associates

Title: iReady Classroom Mathematics

Curriculum Associates materials passed the Textbook Commission on first review; therefore, they did not appeal any materials. If you would like to watch the appeals session before the Textbook Commission to see those publishers who did appeal, the hearing can be found

here: <https://www.youtube.com/watch?v=lwoUx2W5bgY>

Grade Level/ Course	Instructional Focus	Reviewer Comments (Instructional Focus)	Mathematical Practices	Reviewer Comments (Mathematical Practices)	Accessibility Features	Reviewer Comments (Accessibility Features)
K	72%	<ul style="list-style-type: none"> The Learning Progression is listed at the beginning of each lesson. It begins with kindergarten and then Grade 1. It does not include PreK skills. There is a listing of Prerequisite Skills that would support prior knowledge. The iReady Curriculum does have at least 3 tasks in each unit which align with the TN Standards. They have also added extra tasks in some units. There is a section labeled Common Misconceptions at the beginning of the lesson. These are sometimes embedded in the lesson. There are ideas and activities to support addressing these misconceptions. Teacher materials identify common misconceptions. These are identified within the lessons in two different ways: Error Alert (i.e., "A child may say _____") and Common Misconception (i.e., "Many students think _____"). This section notes the misconception and how to instructionally address the situation. Each lesson overview explains the prior learning students are coming with, the purpose of the current lesson, and how this will connect in the future. At the beginning of each unit, there are educative supports of standards, models, and strategies. This is found in the section Model, Progressions, and Teaching Tips. 	83%	<ul style="list-style-type: none"> The materials embed the eight math practice standards in every unit. The Lesson Overview pages contain a quick explanation of the standards of mathematical practice that are emphasized in the lesson. All lessons integrate SMPs 1, 2, 3, 4, 5, and 6 through the Try-Discuss-Connect routine. In the student materials, the math practice standards are listed by number (i.e., SMPs 1, 2, 5). Within the student materials, lessons do not contain an explanation as to what those numbers mean Materials support students in discussing and articulating mathematical ideas. Within each lesson, students justify their thoughts verbally or in writing. In these lessons, the Try-Discuss-Connect routine teaches students to verbally justify their thoughts. In daily discussions, students have opportunities to verbally justify their thinking with a partner or in a whole group discussion. For students who are ready to extend their justifications from verbal only to written expression, there are extensions in the Reading/Writing Levels at the beginning of each lesson, enrichment activities, and extension activities. The vocabulary is grade appropriate and several resources are included in each lesson. 	92%	<ul style="list-style-type: none"> This curriculum offers workbooks along with a digital Teacher Toolbox which teachers can print lessons and resources. In each lesson is a Differentiated Instruction chart for Language Development for English Language Learners. There is also a section "Error Alert" which gives examples where students may make mistakes. Each lesson has a parent letter that supports the work in the classroom. In each lesson, there is also a section on Community and Cultural Responsiveness. The intention is to use the listed activities to connect and leverage the diverse backgrounds and experiences of all students.

		<ul style="list-style-type: none"> The materials provide opportunities for students to participate in a spiraled review in every unit. The Lesson Overview pages highlight the full learning progression (prior, current, and future learning). Since this set of materials are for kindergarten, some of the early lessons begin with developing fluency and progress to more formal spiral reviews as the units/year progress. 				
1	74%	<ul style="list-style-type: none"> The Teachers' Edition provides support for the teacher. The digital Teacher Toolbox offers support with PPTs, Interactive Tutorials, center activities, and practice sheets. Not all materials /lessons provide opportunities to use concrete materials. They do provide pictorial representations of concrete materials students should be using as manipulatives to build conceptual understanding. The materials include One Day Lessons and Educator Notes to address grade level expectations of the TN Standards. There were a few standards that did not meet the depth of the TN standards. There is a section labeled Common Misconceptions at the beginning of the lesson. These are sometimes embedded in the lesson. There are ideas and activities to support addressing these misconceptions. Evidence of spiral review was not found. The beginning of the Teacher's Manual listed "Cumulative Practice Print". This resource was not found in the materials provided. The lessons list manipulatives to support student learning and the workbooks have pictorial representation of manipulatives which progress to abstract with equations. 	83%	<ul style="list-style-type: none"> The materials embed the eight math practice standards in every unit. The Lesson Overview pages contain a quick explanation of the standards of mathematical practice that are emphasized in the lesson. All lessons integrate SMPs 1, 2, 3, 4, 5, and 6 through the Try-Discuss-Connect routine. In the student materials, the math practice standards are listed by number (i.e., SMPs 1, 2, 5). Within the student materials, lessons do not contain an explanation as to what those numbers mean Materials support students in discussing and articulating mathematical ideas. Within each lesson, students justify their thoughts verbally or in writing. In these lessons, the Try-Discuss-Connect routine teaches students to verbally justify their thoughts. In daily discussions, students have opportunities to verbally justify their thinking with a partner or in a whole group discussion. For students who are ready to extend their justifications from verbal only to written expression, there are extensions in the Reading/Writing Levels at the beginning of each lesson, enrichment activities, and extension activities. The vocabulary is grade appropriate and several resources are included in each lesson. 	92%	<ul style="list-style-type: none"> This curriculum offers workbooks along with a digital Teacher Toolbox which teachers can print lessons and resources. In each lesson is a Differentiated Instruction chart for Language Development for English Language Learners. There is also a section "Error Alert" which gives examples where students may make mistakes. Each lesson has a parent letter that supports the work in the classroom. In each lesson, there is also a section on Community and Cultural Responsiveness. The intention is to use the listed activities to connect and leverage the diverse backgrounds and experiences of all students.

2	74%	<ul style="list-style-type: none"> • Not all materials /lessons provide opportunities to use concrete materials. They do provide pictorial representations of concrete materials students should be using as manipulatives to build conceptual understanding. • Each lesson has a learning progression located at the beginning. The progression states what students learned in First Grade, then describes the learning in Second Grade, and includes the learning for Third Grade. • The iReady Curriculum does have at least 3 tasks in each unit which align with the TN Standards. They have also added extra tasks in some units. • Curriculum Associates has One Day Lessons and Educator Notes to address grade level work of the TN Standards. • Evidence of spiral review was not found. The beginning of the Teacher's Manual listed "Cumulative Practice Print". This resource was not found in the materials provided. 	83%	<ul style="list-style-type: none"> • The materials embed the eight math practice standards in every unit. • The Lesson Overview pages contain a quick explanation of the standards of mathematical practice that are emphasized in the lesson. All lessons integrate SMPs 1, 2, 3, 4, 5, and 6 through the Try-Discuss-Connect routine. In the student materials, the math practice standards are listed by number (i.e., SMPs 1, 2, 5). Within the student materials, lessons do not contain an explanation as to what those numbers mean • Materials support students in discussing and articulating mathematical ideas. Within each lesson, students justify their thoughts verbally or in writing. In these lessons, the Try-Discuss-Connect routine teaches students to verbally justify their thoughts. In daily discussions, students have opportunities to verbally justify their thinking with a partner or in a whole group discussion. For students who are ready to extend their justifications from verbal only to written expression, there are extensions in the Reading/Writing Levels at the beginning of each lesson, enrichment activities, and extension activities. • The vocabulary is grade appropriate and several resources are included in each lesson. 	92%	<ul style="list-style-type: none"> • This curriculum offers workbooks along with a digital Teacher Toolbox which teachers can print lessons and resources. • In each lesson is a Differentiated Instruction chart for Language Development for English Language Learners. There is also a section "Error Alert" which gives examples where students may make mistakes. Each lesson has a parent letter that supports the work in the classroom. In each lesson, there is also a section on Community and Cultural Responsiveness. The intention is to use the listed activities to connect and leverage the diverse backgrounds and experiences of all students. Manipulatives are included in the lessons.
3	78%	<ul style="list-style-type: none"> • "Background Knowledge" (in the "Home" tab of each Scope, under "Content Support") describes a progression of skills in the previous grade levels. Also, "Foundation Builder" activities (in the "Engage" tab) provide "Accessing Prior Knowledge" activities that connect to previous grades. • The series allows students to use concrete, representational, and abstract representations as applicable. Counters, arrays, number lines, drawings of visuals, area models, fractions tiles, etc. 	71%	<ul style="list-style-type: none"> • In the Teacher Edition, there is an explanation of how the "Try-Discuss-Connect" routine for every lesson can guide students through Mathematical Practices 1-6. It says that 7 & 8 "may be emphasized in selected problems.". The beginning of each lesson tells which MPs are emphasized in each lesson, but they are not identified with the activities. • The student activities have a Reflect item where students explain their thinking. There are many other tasks where students explain and justify as well. 	83%	<ul style="list-style-type: none"> • The glossary has vocabulary words in Spanish and includes examples of each. Each unit has suggestions of ELL Language Expectations, based on students' levels. Each lesson has a Differentiated Instruction chart. • Within the lessons of the Teacher's Guide, instructional support is provided to differentiate for students with disabilities and/or English language learners in "Hands-On Activity" and "Visual Model" resources. There are also leveled "ELL Differentiated Instruction" supports for teachers to use with those students. • ELL clearly indicated, differentiated options are included but aren't directed toward specific disabilities.

		<p>are given throughout the series (per IFD suggestions).</p> <ul style="list-style-type: none"> • There is a "Coherence and Connections" chart in the Teacher's Guide. • Unit introductions include a flow chart showing each lesson in the current unit and how it connects to previous learning (also labeled with Curriculum Associates' grade level and lesson information so that teachers can locate and look at those resources). • There is an in-depth "Learning Progression" section at the beginning of each lesson, in the Teacher's Guide. • Tasks can be found in the "Explore" section of each lesson as well as in each unit's "Math in Action" sections. Between these two resources, there are consistently three (or more) math tasks available per unit. • Adult level explanations are provided for every session of every lesson. They support teachers' understanding of the appropriate area of rigor. It is important to note the aspects of rigor for every standard do not always align fully to our standards. • There are optional concrete activities included in many lessons. Lessons tend to focus on the representational stage. Many lessons include only one practice activity using manipulatives. (i.e., addition and subtraction with regrouping). 		<ul style="list-style-type: none"> • Math vocabulary aligns with the standards except for dividend and divisor. • In the Teacher's Guide, at the session level, the materials support teachers as they support students in discussing mathematical ideas, either written or verbally, with "Support Partner Discussion", "Support Whole Class Discussion", and "Ask/Listen For" supports. 		
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5	80%	<ul style="list-style-type: none"> • "Background Knowledge" (in the "Home" tab of each Scope, under "Content Support") describes a progression of skills in the previous grade levels. Also, "Foundation Builder" activities (in the "Engage" tab) provide "Accessing Prior Knowledge" 	83%	<ul style="list-style-type: none"> • In the Teacher Edition, there is an explanation of how the "Try-Discuss-Connect" routine for every lesson can guide students through Mathematical Practices 1-6. It says that 7 & 8 "may be emphasized in selected problems.". The beginning of each lesson tells which MPs are 	83%	<ul style="list-style-type: none"> • The glossary has vocabulary words in Spanish and includes examples of each. Each unit has suggestions of ELL Language Expectations, based on students' levels. Each lesson has a Differentiated Instruction chart. • Within the lessons of the Teacher's Guide, instructional support is provided to differentiate for students with disabilities

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6	93%	<ul style="list-style-type: none"> • Common student misconceptions are addressed throughout teacher materials with instructional strategies and 	100%	<ul style="list-style-type: none"> • The materials embed the math practice standards in every unit. The materials use a try it, discuss it, connect routine throughout that 	100%	<ul style="list-style-type: none"> • At the beginning of each unit there is an ELL language expectations table included in the teacher materials. Hands-on strategies for differentiation as well as vocabulary

		<p>guidance on how to address student misconceptions and challenges. Many of the strategies include hands-on opportunities to support conceptual understanding.</p> <ul style="list-style-type: none"> • In the teacher materials, each unit begins with a "Models, Progressions and Teaching Tips" section with educative support for teachers. This section unpacks the standards for educators with instructional notes and models to ensure standards are taught accurately and to the appropriate aspects of rigor. • Students have multiple opportunities within each session and lesson to complete tasks - each session begins with a task, having students dive into the mathematics and explore how and why the mathematics works. At the end of each unit, there is an additional lesson that allows students to apply skills from the unit to solve real-world problems. • Multi-day lessons include sessions that develop conceptual understanding with high ceiling/low threshold tasks in Try Its part of the Try-Discuss-Connect instructional routine. • CRA approach, Model It, Hands-On Activities 		<p>embed several of the mathematical practices. Materials also include deepen understanding notes in the teacher materials with a highlighted math practice connection. Discourse questions in both teacher and student materials also emphasize use of the math practices.</p> <ul style="list-style-type: none"> • Each lesson has built in discussions for students to verbally justify mathematical thoughts, as well as at the end of the lesson in the student materials where students are given opportunities to explain reasoning. • Appropriate math vocabulary is used throughout both teacher and student materials and align with standards. • Discuss It, Pair/Share, and in answering and explaining problems; Teacher Guide includes expected responses, both exemplars and misconceptions. 		<p>development support notes are provided throughout teacher materials. Within the digital toolbox, there are additional resources for supporting learners at all levels.</p> <ul style="list-style-type: none"> • Every unit as well as every lesson includes differentiation for ELL and SPED. Differentiation for ELL is identified in respect to language domains/student levels. Differentiation includes reteaching and reinforcement with visual models and extending learning by deepening understanding. • The main lesson materials are available in both print and online, there are additional resources available online, print and digital resources are listed at the start of each unit.
7	93%	<ul style="list-style-type: none"> • Common student misconceptions are addressed throughout teacher materials with instructional strategies and guidance on how to address student misconceptions and challenges. Many of the strategies include hands-on opportunities to support conceptual understanding. • In the teacher materials, each unit begins with a "Models, Progressions and Teaching Tips" section with educative supports for teachers. This section unpacks the standards for educators with instructional notes and models to ensure standards are taught 	100%	<ul style="list-style-type: none"> • The materials embed the math practice standards in every unit. The materials use a try it, discuss it, connect routine throughout that embed several of the mathematical practices. Materials also include deepen understanding notes in the teacher materials with a highlighted math practice connection. Discourse questions in both teacher and student materials also emphasize use of the math practices. • Each lesson has built in discussions for students to verbally justify mathematical thoughts, as well as at the end of the lesson in the student materials where students are given opportunities to explain reasoning. 	100%	<ul style="list-style-type: none"> • At the beginning of each unit there is an ELL language expectations table included in the teacher materials. Hands-on strategies for differentiation as well as vocabulary development support notes are provided throughout teacher materials. Within the digital toolbox, there are additional resources for supporting learners at all levels. • Every unit as well as every lesson includes differentiation for ELL and SPED. Differentiation for ELL is identified in respect to language domains/student levels. Differentiation includes reteaching and reinforcement with visual models and extending learning by deepening understanding. • The main lesson materials are available in both print and online, there are additional resources

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