

Program Overview



Grades

6-8

Making Classrooms Better Places for Teachers and Students

We believe that all students can learn grade-level mathematics given the right access and support. *i-Ready Classroom Mathematics* takes a **unique approach**, **building upon research-based practices that are proven to work**.

Through a **blend of purposeful print and digital components**, the instructional design makes mathematics accessible, increases student engagement, and builds confidence. Everything works together to support teachers and help students connect to mathematics in new ways.







Students Take Ownership of Their Learning

Invite students to be active participants in math class, and help them become independent mathematical thinkers.

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Practice Matches the Rigor of the Standards

Prepare students for high-stakes assessments with quality practice that reflects the rigorous expectations of the standards.

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Teachers Use Data to Differentiate Instruction

When differentiation is used in service of mastering grade-level standards, it enables students to reach their greatest potential.

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For a full list of program components available in English and Spanish, see page 22.

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Math Shouldn't Be Quiet

Your middle school students love to talk, so get them talking about mathematics!

Instructional models like "I do, we do, you do" make it hard for students to develop independent mathematical thinking. *i-Ready Classroom Mathematics* invites all students to take part in math class. The Try–Discuss–Connect routine centers around student-generated solutions and meaningful discussions. This simple routine engages students and drives deeper understanding.



Example of Grade 6 Try It and Discuss It

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After the class fully explores a variety of solution methods, models or examples are presented to enhance students' understanding.

CONNECT IT

Students complete questions that promote deeper connections. Then they apply their understanding to new problems.



What does this look like in the classroom?

Visit **CurriculumAssociates.com/TDC** to see the Try–Discuss–Connect routine in a real classroom!

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Help Students See Themselves in the Mathematics

Affirm and validate students' identities using the embedded teacher support in *i-Ready Classroom Mathematics*. Contexts and ideas that honor diverse backgrounds help students make better connections to the content.



Cultural Connection

Alternative notations and algorithms used in various cultures are identified to help raise awareness.

Alternate Notation In many parts of the world, including Latin America, the colon (:) is used as a division symbol. In the United States, the colon (:) is used as a ratio symbol and the obelus (\div) , which has a horizontal line and two dots similar to a colon, is used as a division symbol. The solidus (/) can also be used as a division symbol throughout the world. Encourage students who have experience with using a colon as a division symbol to share what they know with the class.

CULTURAL CONNECTION

12:412 ÷ 412/4 $<math>\frac{12}{4}$ 4)12



Integrate Language and Mathematics

Build academic language and deepen conceptual understanding at the same time. The Try–Discuss–Connect routine helps students contextualize word problems and engage in academic discourse. *i-Ready Classroom Mathematics* also includes targeted support to help build academic English for all.





Vocabulary Development

Every lesson includes:

- Vocabulary graphic organizer
- Teacher support to help students review previously learned mathematics concepts and vocabulary they will build on during the lesson

- DEVELOP ACADEMIC LANGUAGE -

WHY? Develop understanding of the phrase *isolate the variable*.

HOW? In the second Model It, students explore solving an equation by isolating the *x*-term. Ask students to use prior knowledge to give a rough definition for *isolate*. Provide the synonym *separate*. Read the second Model It and have students turn and talk with a partner about the steps used to isolate the *x*-term.

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 $\frac{17.50}{7} = 2.50$ The price of each item is \$2.50.



Levels 1–3: Reading/Listening

Help students interpret Apply It problem 7. Use **Three Reads**. Focus on the first two sentences in the first read. Explain the difference between scores and *earns points*. Have students state the number of points earned for a touchdown and a field goal. Then have volunteers use **Act It Out**- one person tossing a coin 7 times – heads = touchdown, tails = field goal, while other students record points and the final score. Reread sentences 3–5 and have them relate their coin toss game to the equations in the problem. Then read the problem. Ask, *What is the system of equations*? *What do the variables represent*? Have students solve the problem.

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Use **Three Reads** to help students interpret Apply It problem 7. After the first read, have partners turn and talk about the difference between scoring multiple times and earning points. Point to the score board and ask: *What number is this*? Have students share what they know about earning points in sports. Have students use a coin toss (7 tosses, heads = touchdown; tails = field goal) to **Act It Out** to show the way teams earn points in a football game.

Levels 2-4: Reading/Listening

- After the last read, display these questions: • What do the variables represent?
- What information is in each equation?

Levels 3–5: Reading/Listening Use Three Reads to help students interpret Apply It problem 7 After the first read, have partners discuss the meanings of scores and *eams*. Have them talk about different ways to score and earn points in sports. After the next read, have partners discuss the quantities and relationships in the problem. Display these questions to support discussions: • What do the variables represent?

Use with Session 2 Apply It

 What information is in each equation? Reinforce with students that clear explanations use complete sentences and precise vocabulary.

LESSON 13 Solve Systems of Linear Equations Algebraically 286

Think about what you know about linear equations. Fill in each box. Use words, numbers, and pictures. Show as many ideas as you can. What is it? What I Know About It Inear equation Examples Examples Examples

Differentiation for English Learners

These scaffolds are provided every day to support the different proficiency levels in the classroom for both receptive and productive language.

Designed to Deliver Powerful Results

The mathematics standards for middle school are rigorous. The instructional design of *i-Ready Classroom Mathematics* scaffolds challenging content to make mathematics accessible and increase student achievement.





Multiple-Day Lessons Provide More Time for Deeper Understanding

Give students the time they need to dig deeper into challenging concepts. The lessons in *i-Ready Classroom Mathematics* span multiple days to provide the time students need to make important connections. Lessons are divided into Explore, Develop, and Refine sessions.

Structure of a Lesson						
Day 1	Day 2	Day 3	Day 4	Day 5		
Explore session	Develop SESSION	Develop session	Develop session	Refine SESSION		
 Connect prior knowledge. Introduce new lesson content. Address unfinished learning. 	 Standards-based instruction Try–Discuss–Connect discourse routine Build understanding, practice new skills, and apply new learning Embedded differentiation options to meet all students' learning needs 			 In-class time to practice and strengthen skills and understanding Reteach, remediate, reinforce, and extend the learning 		



Connect to Prior Knowledge The Start activity follows an asset-based approach, using students' prior knowledge as a springboard for learning new concepts.



Explore Concepts with Technology Interactive Tutorials allow students to explore concepts more deeply.



Unit

Lesson

Session

In-Class Practice Dedicated class time and activities provide practice and differentiation.

Teacher Support That Empowers

Enhance teacher knowledge, skill, and effectiveness with embedded strategies and support. *i-Ready Classroom Mathematics* includes professional learning designed to help teachers bring mathematical concepts to life.



Learning Progression This chart illustrates the learning arc for the skills in each lesson and the coherence across grades.

Facilitate Whole Class Discussion

Call on students to share selected strategies. As they present, remind students to provide clear explanations and details regarding what approach they used to solve the problem and why.

Guide students to **Compare and Connect** the representations. Have students turn and talk with a partner to discuss ways they can check to be sure their answer is reasonable.

ASK How were the values 5 lb and 4.5 lb used to find the percent error in all of the strategies?

LISTEN FOR All of the strategies use the difference between 5 lb and 4.5 lb as the amount of error and compare it to 5 lb to find the percent error.

Facilitation Support in the Teacher's Guide

Integrate the National Council of Teachers of Mathematics (NCTM)'s Effective Teaching Practices to promote and facilitate mathematical discourse for all learners, especially English Learners.



i-Ready Classroom Central

From how-to tips to planning tools, get ondemand access to everything needed for a successful implementation.

Your Feedback Matters!

We continually grow and enhance our PD resources based upon your needs and opinions.



Onsite and Online Professional Development (PD) Our ongoing, classroom-focused PD supports teachers in using student thinking and mathematical practices to transform mathematics classrooms.



High-Quality Independent Practice

Practice needs to build conceptual understanding and match the rigorous expectations of the standards. *i-Ready Classroom Mathematics* provides questions and practice problems that solidify students' conceptual understanding before providing computational practice to develop fluency.

Additional Practice in Student Worktext

In every session, students build proficiency with the strategies learned in class and apply those ideas to answer critical-thinking questions and solve new problems.

LESSON 18 SESSION 3	Name:	LESSON 18 SESSION 3
Practice Writing with Grouping Sy	and Solving Equations mbols	(3) Luis is shopping for gifts. Mugs are on sale for \$4 off th regular price, p. Luis buys 6 mugs. He pays a total of \$5 What is the regular price of a mug? Show your work.
Study the Example showin solve a problem. Then solve	ng how to use an equation with grouping sym re problems 1–5.	pols to
Example Lillie and her family dona brother donates \$3 more as Lillie's brother. Lillie's p	te money to charity at the end of each year. Lill than Lillie. Her parents donate 4.5 times as mu parents donate \$45. How much does Lillie donat	ie's ch te?
You can represent the situ	ation with an equation.	
d = Lillie's donation in dol	lars	SOLUTION
$\frac{4.5(d+3)}{4.5} = \frac{45}{4.5}$ $d+3 = 10$		4 Solve $\frac{3}{4}(5x - 3) + 8 = 17$. Show your work.
d + 3 - 3 = 10 - 3		
<i>d</i> = 7		
Lillie donates \$7.		
1 Look at $4.5(d + 3) = 45$ from	n the Example. 2 Malik joins a gym. He	e gets \$2 per month off
 a. What does (d + 3) represent? the regular monthly rate for 3 months. Malil pays \$49.50 for 3 months. What is the gym's regular monthly rate, r? Show your work. 		rate for 3 months. Malik nths. What is the gym's , r?
b. Why is $(d + 3)$ multiplied by 4.5?		SOLUTION
		5 Solve $-72 = 8(y - 3)$. Show your work.
c. How much does Lillie's b	prother donate?	
	SOLUTION	
		SOLUTION

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Multiple Practice Opportunities Build Students' Confidence

Effective mathematics practice needs to be more than asking students to memorize math facts and recall answers to questions. *i-Ready Classroom Mathematics* provides a variety of practice opportunities to help students build conceptual understanding and demonstrate procedural fluency by experiencing mathematics in multiple ways.



*Additional purchase

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Digital Math Tools Powered by Desmos

Students have access to the online graphing and scientific calculators, as well as the geometry tools, to explore concepts and deepen understanding.



Interactive Practice with Technology-Enhanced Items

This assignable, digital resource provides practice that reinforces understanding. Students receive immediate, meaningful feedback to keep them on track.



Learning Games

Engaging fluency practice allows students to explore essential skills in a low-stakes environment. Students can create and share their own puzzles with classmates and toggle to play games in Spanish. In-depth reports offer real-time snapshots of skills progress and growth mindset.



Apply Skills, Strategies, and Procedures

The Unit Games and Math in Action Lessons use students' critical-thinking skills as they engage with games and robust performance tasks.

Intuitive Data at Your Fingertips

Students come with a wide range of backgrounds, knowledge, and experiences. *i-Ready Classroom Mathematics* helps teachers optimize class time by providing deep knowledge of students' learning needs and guidance to address unfinished learning.



Build a community of learners by introducing students to the **Try-Discuss-Connect routine**.

See pages 4–5 for more about the routine.

Administer this adaptive digital assessment to gain comprehensive insight into student learning and growth across all K–12 skills and meet the needs of all students.





See the Digital Assessment Reports Sampler for sample reports.

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Optimize Your Class Time

Math class goes by quickly. You need a thoughtful approach to effectively differentiate in that short amount of time. Whether it's addressing unfinished learning or gaining insights into students' understanding, *i-Ready Classroom Mathematics* has the plan and resources for efficient differentiation.

Address Unfinished Learning with the Prerequisites Report







Unit 2 Decimals and Fractions: Base-Ten Operations, E	Division with Fractions	s, and Volume
Unit 2, Lesson 7 continues to build fluency with decimal ad subtraction, and multiplication. There are no recommended prerequisite lessons.	dition, I	
Lesson 7 Add, Subtract, and Multiply Multi-Digit Decimals	6.NS.B.3 (A)	2 to 4 days
PREPARE for Unit 2, Lesson 8 by reviewing dividing with two and with decimals to support students in learning an algorit	o-digit divisors hm for division.	0 to 4 days
Grade 5, Lesson 5 Divide Multi-Digit Numbers		
Grade 5, Lesson 17 Divide Decimals		
Lesson 8 Divide Whole Numbers and Multi-Digit Decimals	6.NS.B.2 (A) 6.NS.B.3 (A)	2 to 5 days
PREPARE for Unit 2, Lessons 9–10 by reviewing fraction mu division with unit fractions to support students as they expan dividing fractions.	ultiplication and nd their skills with	0 to 4 days
Grade 5, Lesson 22 Multiply Fractions in Word Problems		
Grade 5, Lesson 24 Divide Unit Fractions in Word Problems		
Lesson 9 Understand Division with Fractions	6.NS.A.1 (M)	3 days
Lesson 10 Divide Fractions	6.NS.A.1 (M)	4 days
Lesson 11 Solve Volume Problems with Fractions	6.G.A.2 (S)	2 to 4 days

Support Grade-Level Content

The **Try–Discuss–Connect routine** provides multiple opportunities to observe student understanding and includes embedded instructional supports to differentiate instruction.

- Try It
- Discuss It
- Pair/Share
- Ask/Listen For
- Common Misconceptions
- Hands-On Activities
- Visual Models
- Error Alert

- Reflect
- Connect It
- Deepen Understanding
- Apply It
- Support Whole Group/ Partner Discussion
- Close: Exit Ticket/ Math Journal



Actionable Insights for Progress Monitoring

Know what your students know. *i-Ready Classroom Mathematics* includes print and digital assessments and a wealth of resources to meet all students' learning needs. Reports are in-depth, yet intuitive, so you can easily plan the next steps for instruction.



Digital Comprehension Checks

- Comparable to Lesson Quizzes and Unit Assessments
- Flexible to use
- Assign premade version or customize to add/remove problems
- Auto-scored to save time



Resources Aligned to Students' Needs

- Reteach: Tools for Instruction are mini-lessons for reteaching lesson concepts.
- Out-of-Class Support: The Develop Session Video Library provides instructional videos for remote learning, homework support, or reteaching concepts.
- **Student-Led Small Groups:** Leveled Math Center Activities are designed for on-, below-, and above-level students.
- Independent Reinforcement: Learning Games offer fun, challenging, and personalized practice and help students develop a growth mindset.
- **Extension:** Enrichment Activities challenge students with higher-order thinking tasks and technology-focused activities.
- **Personalized Instruction:** This optional add-on provides lessons designed to accelerate growth and grade-level learning.



Program Components

Student Materials



Student Worktext 🕫

Students take ownership of their learning as they work through the rich tasks and practice new skills in each lesson.



Assessment Practice Book 👳

A series of standards-aligned practice assessments

Available in print and downloadable in English and Spanish from the Teacher Toolbox



Fluency and Skills Practice Book

Targeted fluency practice for every lesson Included on the Teacher Toolbox and available in print for an additional purchase



Hands-On Materials

Engage students in hands-on learning. Available at: Hand2Mind.com/ Curriculum-Associates

Student Digital Experience

The Student Digital Experience, accessible through i-ReadyConnect.com, provides access to all student components of *i-Ready Classroom Mathematics*.

Student Bookshelf provides online access to student resources, including:

- Digital Student Worktext Includes tools, such as note-taking, text-to-speech, highlighting, and a calculator
- Family Resources
 Family Letter for every lesson
 - Unit Flow & Progression Videos
- Multilingual Glossary available in nine languages
- **Student Handbook** with a guide to the Standards for Mathematical Practice, a mathematical language reference tool, and 100 Mathematical Discourse Questions

Digital Math Tools Powered by Desmos

Provide virtual representations of various models

Interactive Learning Games 🚥

Develop conceptual understanding, improve fluency, and establish a positive relationship to challenge

Interactive Practice

Helps students build procedural fluency and skills by providing immediate, meaningful feedback





E/S = Available in English and Spanish

Teacher Materials



Teacher's Guide 💿

Two volumes include discoursebased instructional support, math background, and embedded professional learning. *Available in print and online*



Discourse Cards 💿

Discourse Cards provide questions and sentence starters to get students talking about mathematics. Available in print and online



i-Ready Classroom Central

This teacher portal provides on-demand access to tips and resources for a successful implementation.

Teacher Digital Experience

The Teacher Digital Experience, accessible through i-ReadyConnect.com, provides access to all teacher components of *i-Ready Classroom Mathematics*.

Teacher Toolbox provides access to all K–8 resources in one convenient location. A few highlights include:

- Interactive Tutorials
- Digital Math Tools Powered by Desmos
- Lesson PowerPoint[®] Slides
- Fluency and Skills Practice
- Center Activities
- Enrichment Activities
- Assessment Resources
- Unit Flow & Progression Videos*
- Literacy Connections
- Unit Games

Digital Practice Resources

- Learning Games
- Interactive Practice

Digital Assessments

- Diagnostic
- Comprehension
 Checks

Reports

- Diagnostic Results
- Comprehension
 Check Results
- Prerequisites
- Learning Games

Optional Add-On

• *i-Ready Personalized Instruction*





*Closed-captioned in English and Spanish

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i-Ready Classroom Mathematics



To see how other educators are maximizing their i-Ready experience, follow us on social media!

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