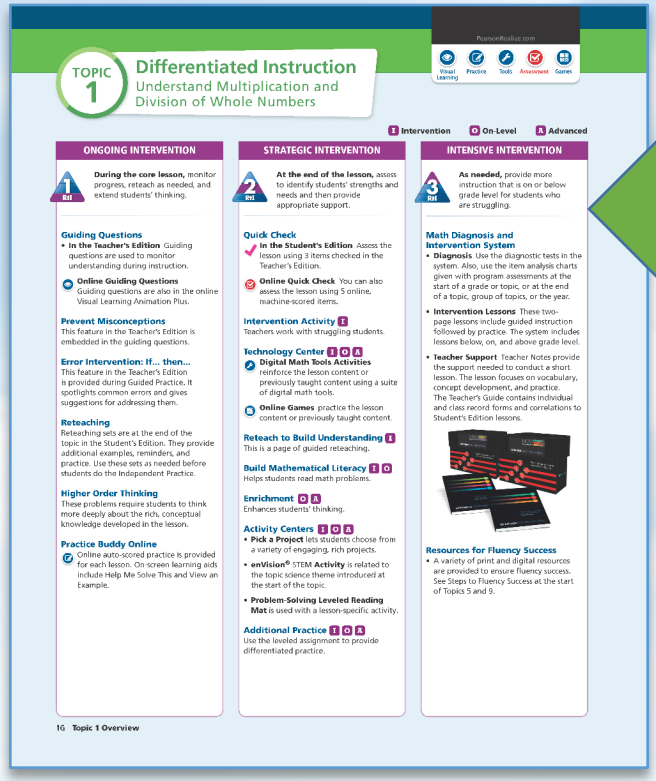
enVision® Mathematics

Working with Small Groups

SAVVAS
LEARNING COMPANY

Planning for Small Groups – Topic Level

We know every student is different. Reach the range of learners in your classroom by planning at the topic level with **enVision** Mathematics differentiated resources.


TOPIC 1

Differentiated Instruction

Understand Multiplication and Division of Whole Numbers

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Visual Learning | Practice | Tools | Assessment | Games

I Intervention | O On-Level | A Advanced

ONGOING INTERVENTION

RTI 1 — **During the core lesson,** monitor progress, reteach as needed, and extend students' thinking.

Guiding Questions
- **In the Teacher's Edition** Guiding questions are used to monitor understanding during instruction.
- **Online Guiding Questions** Guiding questions are also in the online Visual Learning Animation Plus.

Prevent Misconceptions
This feature in the Teacher's Edition is embedded in the guiding questions.

Error Intervention: If... then...
This feature in the Teacher's Edition is provided during Guided Practice. It spotlights common errors and gives suggestions for addressing them.

Reteaching
Reteaching sets are at the end of the topic in the Student's Edition. They provide additional examples, reminders, and practice. Use these sets as needed before students do the Independent Practice.

Higher Order Thinking
These problems require students to think more deeply about the rich, conceptual knowledge developed in the lesson.

Practice Buddy Online
Online auto-scored practice is provided for each lesson. On-screen learning aids include Help Me Solve This and View an Example.

STRATEGIC INTERVENTION

RTI 2 — **At the end of the lesson,** assess to identify students' strengths and needs and then provide appropriate support.

Quick Check
- **In the Student's Edition** Assess the lesson using 3 items checked in the Teacher's Edition.
- **Online Quick Check** You can also assess the lesson using 5 online, machine-scored items.

Intervention Activity I
Teachers work with struggling students.

Technology Center I O A
- **Digital Math Tools Activities** reinforce the lesson content or previously taught content using a suite of digital math tools.
- **Online Games** practice the lesson content or previously taught content.

Reteach to Build Understanding I
This is a page of guided reteaching.

Build Mathematical Literacy I O
Helps students read math problems.

Enrichment O A
Enhances students' thinking.

Activity Centers I O A
- **Pick a Project** lets students choose from a variety of engaging, rich projects.
- **enVision® STEM Activity** is related to the topic science theme introduced at the start of the topic.
- **Problem-Solving Leveled Reading Mat** is used with a lesson-specific activity.

Additional Practice I O A
Use the leveled assignment to provide differentiated practice.

INTENSIVE INTERVENTION

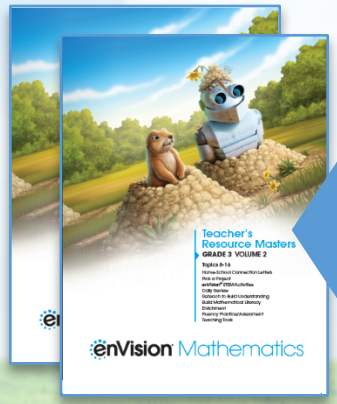
RTI 3 — **As needed,** provide more instruction that is on or below grade level for students who are struggling.

Math Diagnosis and Intervention System
- **Diagnosis** Use the diagnostic tests in the system. Also, use the item analysis charts given with program assessments at the start of a grade or topic, or at the end of a topic, group of topics, or the year.
- **Intervention Lessons** These two-page lessons include guided instruction followed by practice. The system includes lessons below, on, and above grade level.
- **Teacher Support** Teacher Notes provide the support needed to conduct a short lesson. The lesson focuses on vocabulary, concept development, and practice. The Teacher's Guide contains individual and class record forms and correlations to Student's Edition lessons.

Resources for Fluency Success
- A variety of print and digital resources are provided to ensure fluency success. See Steps to Fluency Success at the start of Topics 5 and 9.

1G Topic 1 Overview

In your Teacher's Edition, the Differentiated Instruction topic page has an overview of differentiation resources. Gather resources for the topic as you plan.



Teacher's Resource Masters

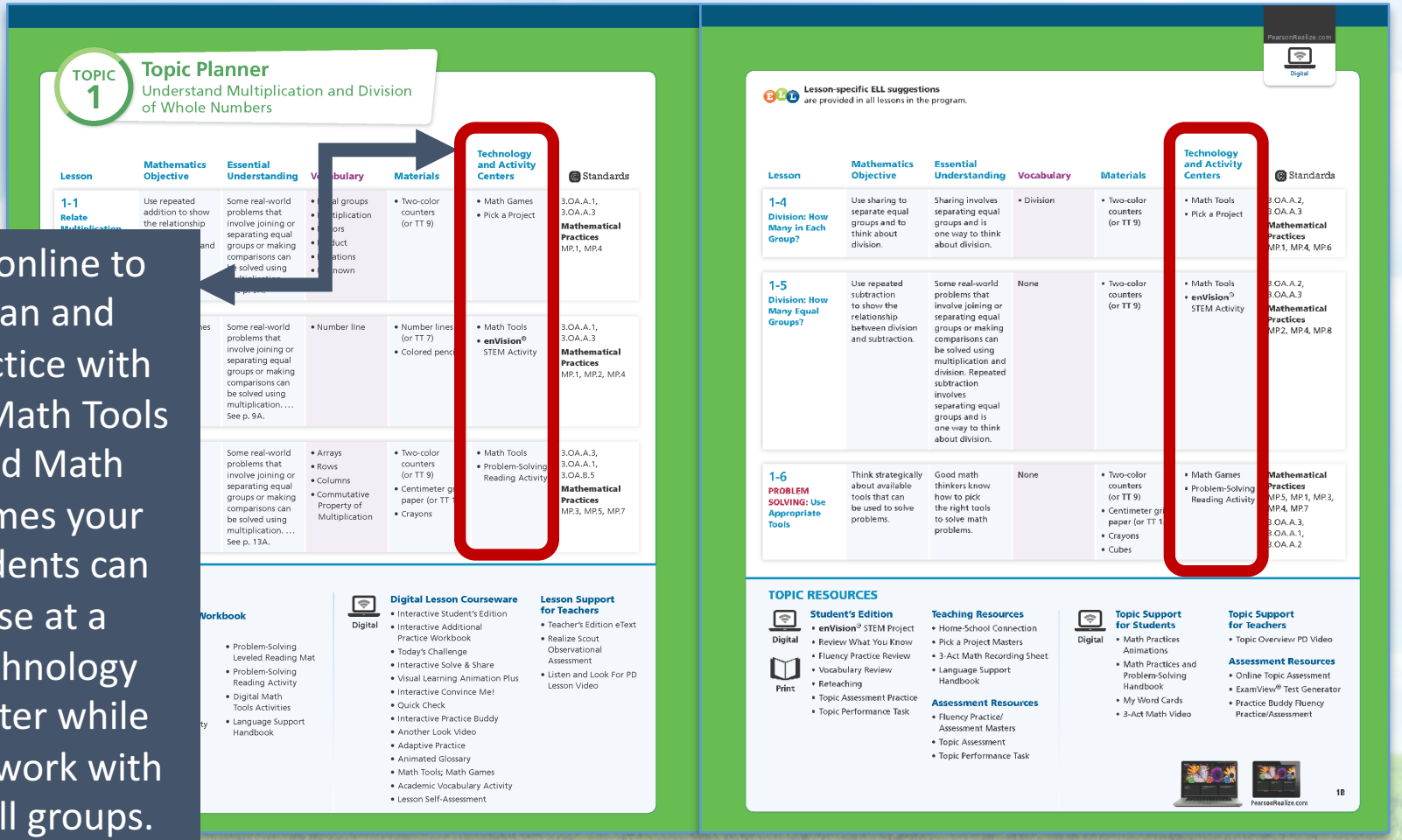
Use your Teacher's Resource Masters to make copies of the Pick a Project, **enVision**® STEM Project, Reteach to Build Understanding, Build Mathematical Literacy, Enrichment, and/or Fluency Practice masters to use with small groups.

Consider laminating a few copies of masters to reuse.

Planning for Small Groups – Topic Level

Each lesson includes opportunities for students to work on Pick a Projects, Problem-Solving Leveled Reading Mats, **enVision** STEM Projects, Math Tools, and Math Games while you work with small groups. See the Topic Planner to get ready for the rotation of these activities throughout the topic.

Go online to plan and practice with the Math Tools and Math Games your students can use at a Technology Center while you work with small groups.



TOPIC 1

Topic Planner

Understand Multiplication and Division of Whole Numbers

Lesson	Mathematics Objective	Essential Understanding	Vocabulary	Materials	Technology and Activity Centers	Standards
1-1 Relate Multiplication	Use repeated addition to show the relationship	Some real-world problems that involve joining or separating equal groups or making comparisons can be solved using	• groups • tiplication • ors • duct • ations • known	• Two-color counters (or TT 9)	• Math Games • Pick a Project	3.OA.A.1, 3.OA.A.3 **Mathematical Practices** MP.1, MP.4
		Some real-world problems that involve joining or separating equal groups or making comparisons can be solved using multiplication. … See p. 9A.	• Number line	• Number lines (or TT 7) • Colored pen	• Math Tools • **enVision**® STEM Activity	3.OA.A.1, 3.OA.A.3 **Mathematical Practices** MP.1, MP.2, MP.4
		Some real-world problems that involve joining or separating equal groups or making comparisons can be solved using multiplication. … See p. 13A.	• Arrays • Rows • Columns • Commutative Property of Multiplication	• Two-color counters (or TT 9) • Centimeter g paper (or TT • Crayons	• Math Tools • Problem-Solving Reading Activity	3.OA.A.3, 3.OA.A.1, 3.OA.B.5 **Mathematical Practices** MP.3, MP.5, MP.7

Workbook
- Problem-Solving Leveled Reading Mat
- Problem-Solving Reading Activity
- Digital Math Tools Activities
- Language Support Handbook

Digital Lesson Courseware
- Interactive Student's Edition
- Interactive Additional Practice Workbook
- Today's Challenge
- Interactive Solve & Share
- Visual Learning Animation Plus
- Interactive Convince Me!
- Quick Check
- Interactive Practice Buddy
- Another Look Video
- Adaptive Practice
- Animated Glossary
- Math Tools; Math Games
- Academic Vocabulary Activity
- Lesson Self-Assessment

Lesson Support for Teachers
- Teacher's Edition eText
- Realize Scout Observational Assessment
- Listen and Look For PD Lesson Video

ELL Lesson-specific ELL suggestions are provided in all lessons in the program.

Lesson	Mathematics Objective	Essential Understanding	Vocabulary	Materials	Technology and Activity Centers	Standards
1-4 Division: How Many in Each Group?	Use sharing to separate equal groups and to think about division.	Sharing involves separating equal groups and is one way to think about division.	• Division	• Two-color counters (or TT 9)	• Math Tools • Pick a Project	3.OA.A.2, 3.OA.A.3 **Mathematical Practices** MP.1, MP.4, MP.6
1-5 Division: How Many Equal Groups?	Use repeated subtraction to show the relationship between division and subtraction.	Some real-world problems that involve joining or separating equal groups or making comparisons can be solved using multiplication and division. Repeated subtraction involves separating equal groups and is one way to think about division.	None	• Two-color counters (or TT 9)	• Math Tools • **enVision**® STEM Activity	3.OA.A.2, 3.OA.A.3 **Mathematical Practices** MP.2, MP.4, MP.8
1-6 PROBLEM SOLVING: Use Appropriate Tools	Think strategically about available tools that can be used to solve problems.	Good math thinkers know how to pick the right tools to solve math problems.	None	• Two-color counters (or TT 9) • Centimeter gr paper (or TT 1 • Crayons • Cubes	• Math Games • Problem-Solving Reading Activity	**Mathematical Practices** MP.5, MP.1, MP.3, MP.4, MP.7 3.OA.A.3, 3.OA.A.1, 3.OA.A.2

TOPIC RESOURCES

Student's Edition (Digital, Print)
- **enVision**® STEM Project
- Review What You Know
- Fluency Practice Review
- Vocabulary Review
- Reteaching
- Topic Assessment Practice
- Topic Performance Task

Teaching Resources
- Home-School Connection
- Pick a Project Masters
- 3-Act Math Recording Sheet
- Language Support Handbook

Assessment Resources
- Fluency Practice/ Assessment Masters
- Topic Assessment
- Topic Performance Task

Topic Support for Students (Digital)
- Math Practices Animations
- Math Practices and Problem-Solving Handbook
- My Word Cards
- 3-Act Math Video

Topic Support for Teachers
- Topic Overview PD Video

Assessment Resources
- Online Topic Assessment
- ExamView® Test Generator
- Practice Buddy Fluency Practice/Assessment

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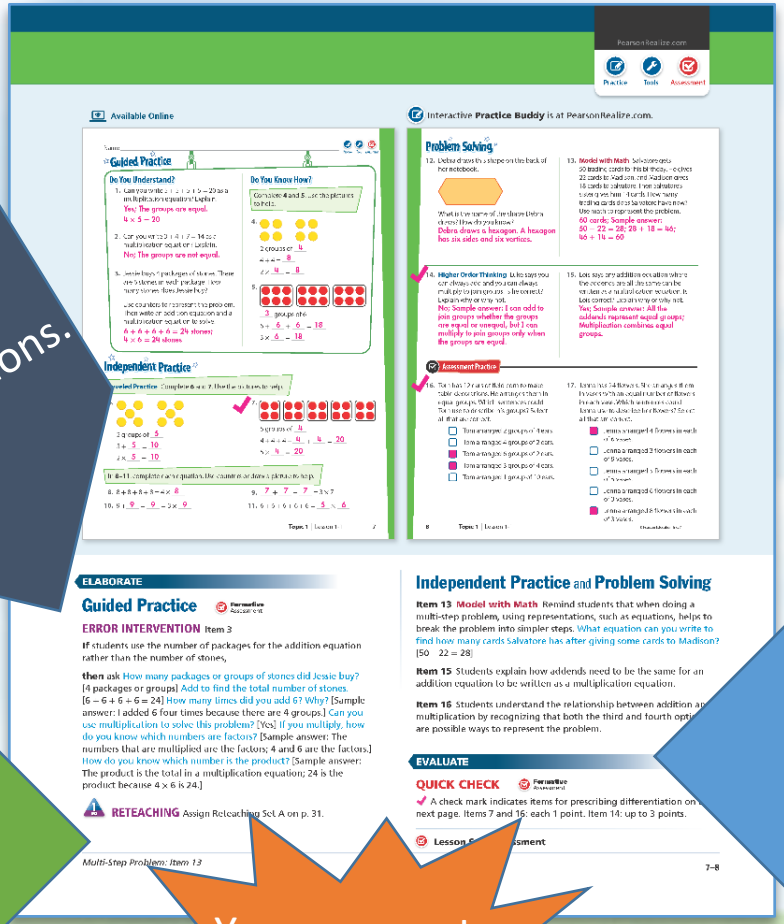
1B

Planning for Small Groups – Lesson Level

You'll find formative assessment resources and differentiation tips in each step of **enVision** Mathematics lessons.

Look for Error Intervention notes to help you address student misconceptions.



Use Reteaching Sets to help struggling students before they work on Independent Practice and Problem Solving.

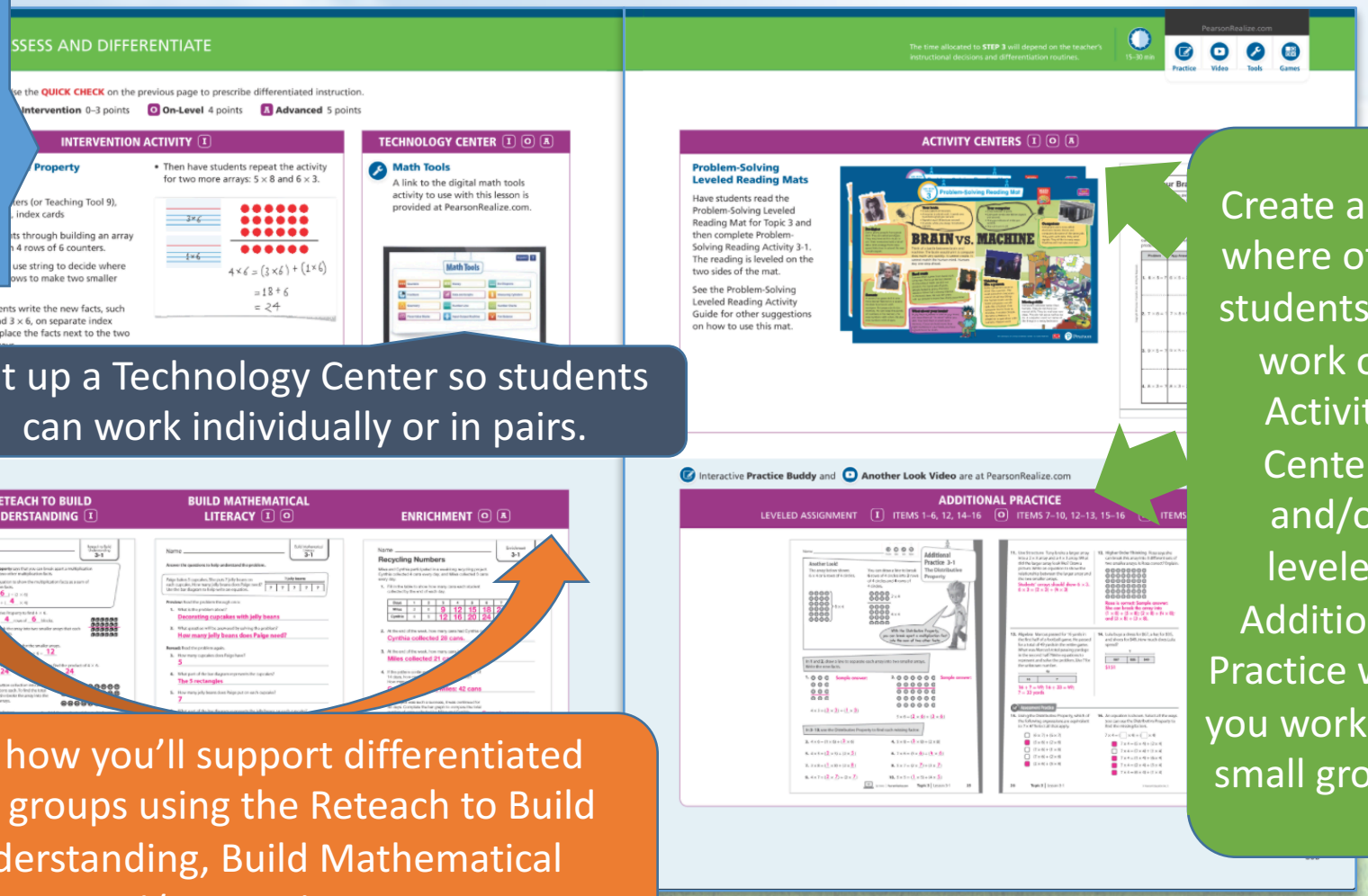
You can create groups online!

While students work independently, use student results on the formative Quick Check at the end of Step 2 to determine how to group your students for Step 3.

Planning for Small Groups – Lesson Level

Plan the Intervention Activity as a teacher-led small group activity for struggling students.

Explore the variety of engaging differentiation options in Step 3 of each lesson. Use the Intervention, On-Level, and Advanced (I, O, A) icons to plan differentiated activities for each small group or center.



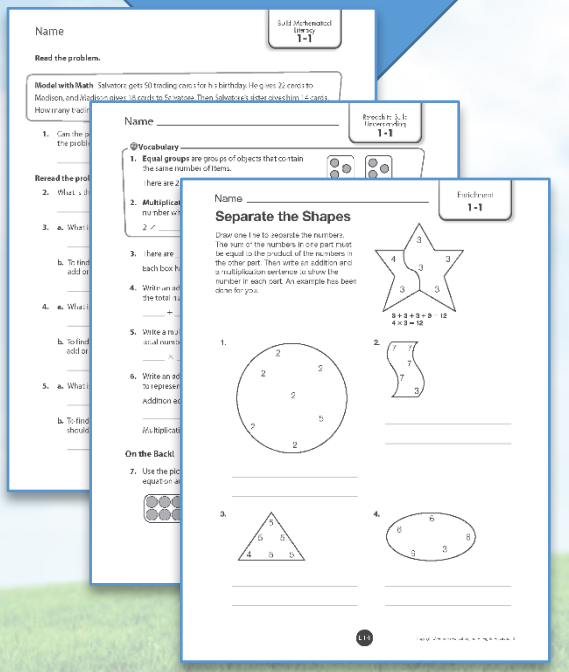
Set up a Technology Center so students can work individually or in pairs.

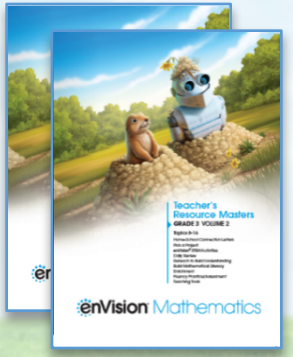
Create areas where other students can work on Activity Centers and/or leveled Additional Practice while you work with small groups.

Plan how you'll support differentiated small groups using the Reteach to Build Understanding, Build Mathematical Literacy, and/or Enrichment masters.

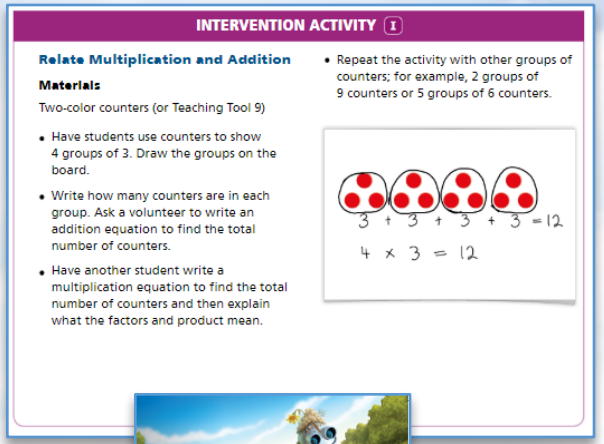
Teacher-led Small Groups

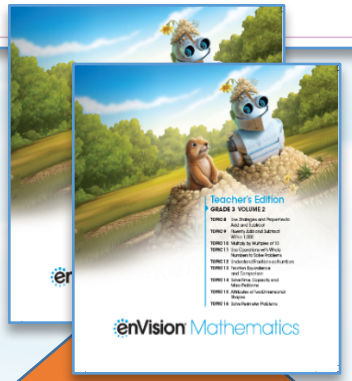
Use the Reteach to Build Understanding, Build Mathematical Literacy, and/or Enrichment masters to offer differentiated small groups an activity that meets their needs.





Teacher's Resource Masters

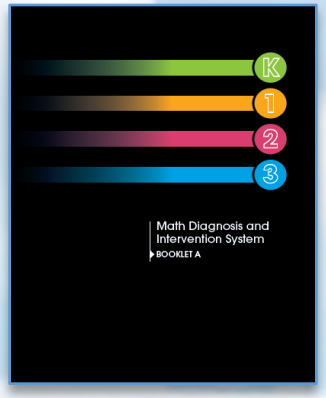




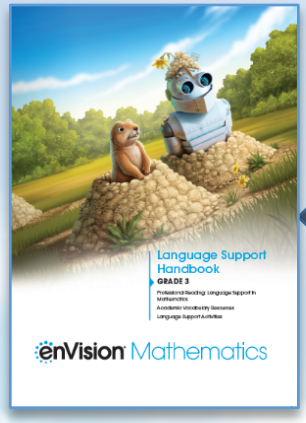
Teacher's Edition

Lead struggling students through the Intervention Activity while other students work on Additional Practice or at centers or stations.

Teacher-led Small Groups



Math Diagnosis and Intervention System (MDIS)



Language Support Handbook

Consider using strategies, activities, and routines from the *Language Support Handbook* to support students' language development in small groups.

Use MDIS intervention lessons to provide targeted intervention to individual students or small groups. Find MDIS lesson recommendations in your Teacher's Edition.

Technology Center

When students take the Quick Check online, their responses are automatically scored and the system can assign differentiated resources based on each student's results.

Assign students differentiated digital practice to work on while you pull small groups, such as:

- Adaptive Practice powered by Knewton (Grades 3–5), and/or
- Practice Buddy with built-in learning aids for support.

Technology Center

All students can benefit from the Math Tools and Math Games that reinforce concepts, critical thinking, and application skills. Check out the Teacher's Edition for recommendations of digital resources that are aligned to the topic or lesson.

Visual Learning Animation Plus

Assign some students the Visual Learning Animation Plus to watch on an electronic device.

Activity Centers

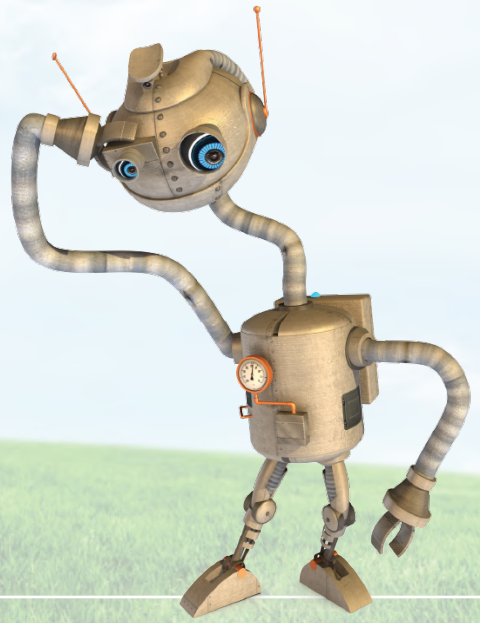
During Step 3 of each lesson, have students work on their Pick a Projects, Problem-Solving Leveled Reading Mats, or **enVision** STEM Projects while you work with small groups.

Have students work on Problem-Solving Leveled Reading Mats to apply their math understanding in a real-world context.

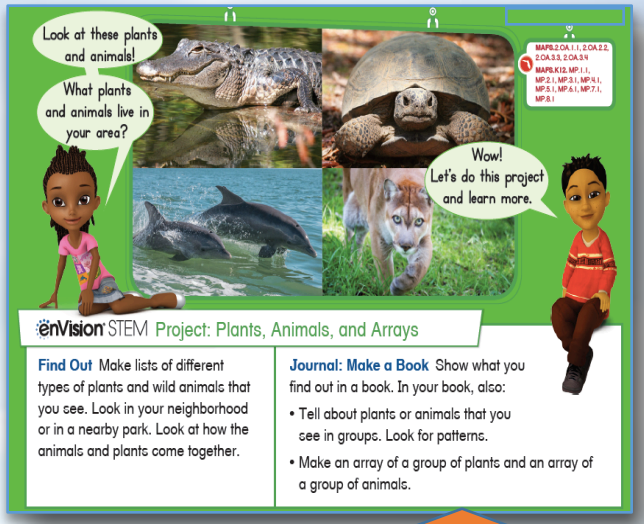
Problem-Solving Leveled Reading Mats

The side with an orange circle has on-level text, and the side with a purple circle has below-level text.

Keep your Problem-Solving Leveled Reading Mats, supplies, and/or manipulatives in the pocket chart so students can quickly and easily find materials.



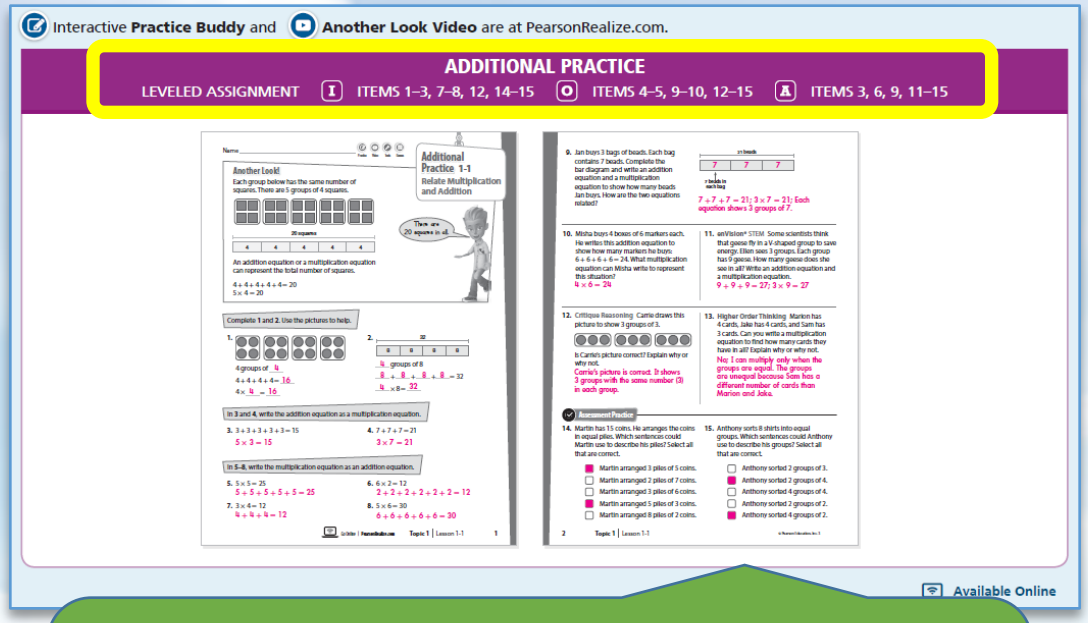
Activity Centers



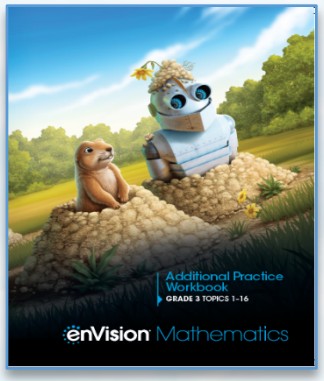
In the **enVision** STEM activity, students make connections across topics and content areas, applying math to real-world situations.

At the start of a topic, students can differentiate for themselves by choosing a Pick a Project; they have a chance to apply math concepts to a context and in a modality that interest them.

Independent Practice Resources



Use the Leveled Assignment guide in the Additional Practice section of the TE Step 3 page to choose differentiated practice for students to work on in the *Additional Practice Workbook*.



Additional Practice Workbook

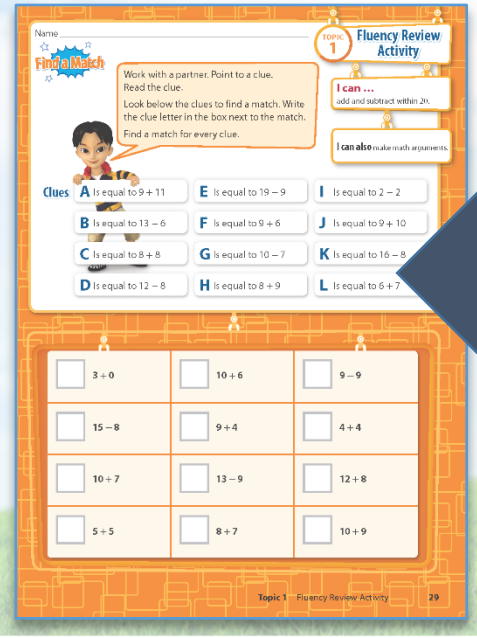
Additional Practice is available online too!

You can assign *Additional Practice Workbook* pages as homework or classwork while you facilitate small group instruction.

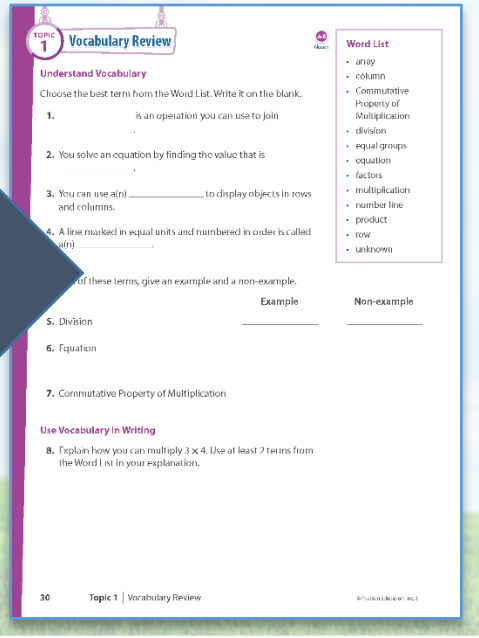
Independent Practice Resources

Daily Review and Today's Challenge might make good independent practice options for your students too!

Assign the **enVision** STEM extension, Pick a Project extension, or 3-Act Math Sequel to students who are ready for a challenge.



Don't forget about the end-of-topic resources like Vocabulary Review and Fluency Practice as independent practice options.



enVision® Mathematics

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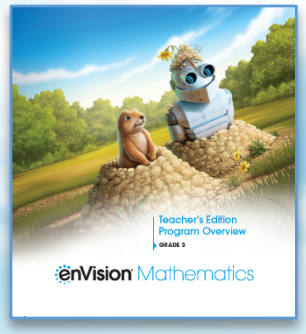
Thank You!

Teacher's Edition



Teacher's Edition Program Overview

See your Teacher's Edition and *Teacher's Edition Program Overview* for additional tips!