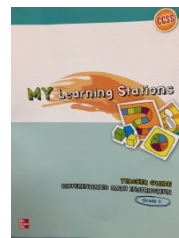


My Math Enrichment Opportunities

(BL designates 'Beyond Level' in My Math)

Print Resource Only: My Math: Learning Stations Kit

The My Learning Stations instruction book is only available in print. You can find the alignment for these activities in ConnectED, the teacher's manual on the last gold page of the chapter introduction the 'Making Connections' page), or in the front of the My Learning Stations instruction book.



MY Learning Stations

Use the following learning stations to differentiate the instruction for Chapter

Learning Station	Title	Use after Lesson(s)
Game	Expression Race	1
Problem-Solving Card	What's Your Latitude?	7
Game	Where's My Line?	8
Activity Card	Mystery Story	9

Learning Station	Title	Use after Lessons
Graphic Novel	Weather Talks	3
Activity Card	Make a Flag	6
Game	Fraction Concentration	6
Problem-Solving Card	The Buzz on Insects	6

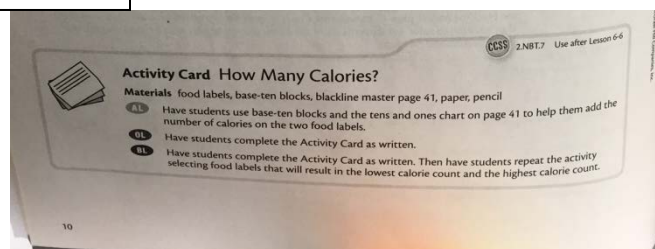
Chapter	Topic	Activity	Use after Lesson
CHAPTER 5	Place Value to 1,000	Game: Butterfly Fun	2.NBT.3 5-3
		Graphic Novel: Home Run Records	2.NBT.4 5-7
		Activity Card: Comparing Stories	2.NBT.3 5-5
CHAPTER 6	Add Three-Digit Numbers	Game: Three-Digit Fruit	2.NBT.7 6-6
		Graphic Novel: Enchanted Palace Park	2.NBT.7 6-6
		Real-World Problem Solving Reader: Lady Liberty	2.NBT.7 6-6
		Real-World Problem Solving Reader: Moving Along	2.NBT.7 6-6
		Activity Card: How Many Calories?	2.NBT.7 6-6

ConnectED in 'Plan and Present,' 'Launch the Chapter,' 'Project- Based Learning'

Teacher's Manual ('Making Connections' page)

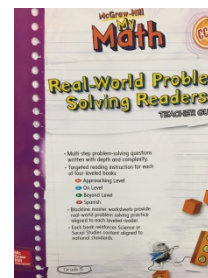
My Learning Stations instruction book

Each activity has a differentiated guide in the My Learning Stations instruction book. The Graphic novels can be found on your thin client by clicking the button on the bottom left and choosing 'Virtual CD Resources'.



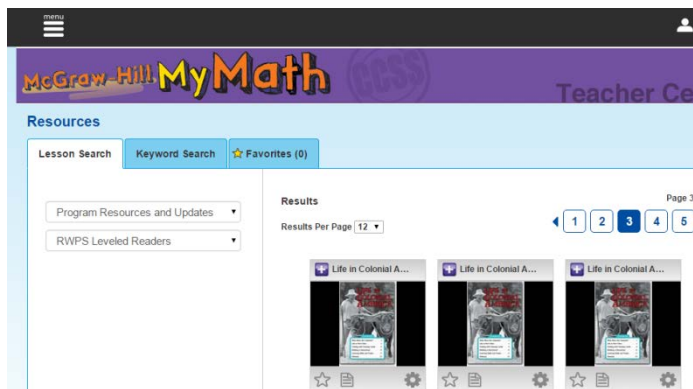
Online and Print Resource: Real World Problem Solving Readers

Real World Problem Solving Readers have a printed Teacher Guide. This is the only place where you will find book descriptions and blackline masters. The beginning of the My Math Chapter will tell you which RWPS goes with that chapter (on the Making Connections page of the Teacher's Manual) or in ConnectED in the 'Plan and Present' section under 'Prepare for the Chapter'.



Print copies at 3 different reading levels are in the My Learning Stations Kit. We do not have all of the titles in print, but if you go to ConnectED, you can print out any of the RWPS readers. Click the black menu button, choose 'Resources'. Choose 'Program Resources and Updates' from the top drop down and 'RWPS Levelled

Readers' from the bottom drop down. They print best of you save them and open them in the PDF reader. Then you can choose to print them as a booklet.



Water Works

5.OA.2 Write and interpret numerical expressions. Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them.

For blackline masters in English and Spanish, see pages 45-46. Available in our French, Approaching On Level, Beyond, and Spanish.

Summary
Water Works focuses on the water cycle and the effects of rainfall and drought on Earth. Students will gather and interpret data from diagrams, maps, charts, and graphs.

Preview and Predict
Review the following vocabulary to activate prior knowledge: condensation, evaporates, groundwater, precipitation, water cycle.
Ask:
• Where does our drinking water come from?
• What happens to bath water after we use it?
• We often see fog in the morning and then it seems to disappear. What do you think happens to it?
Read and Respond
Conduct informal assessment of comprehension. Encourage students to apply math skills as they respond to each question. Use prompts such as the following:
• Look at pages 8 and 9. What are the high clouds called?
• Look at pages 14 and 15. What coastal area is very dry?
• How do students write a summary of the water cycle sequence shown on pages 4 and 5.

Real-World Problem Solving
• Have students solve the problems using the four-step plan. Then ask them to share which strategy they used to solve.
• Encourage struggling students to work in pairs to solve each problem.
• Ask students to work in pairs or independently to write their own problem. Have them trade problems with one another and solve.
• Use the worksheet form on pages 47-48.

Real-World Extensions
• Have students draw diagrams that show a system for water desalination and purification. These can be simple systems that we might use at home or complex systems for a city. Encourage students to identify helpful Web sites as they conduct research.
• Sinkholes are one result of drops in ground water. Encourage students to investigate causes and remedies of sinkholes. Have them write a summary of the sequence involved in the formation of sinkholes.
• Discuss the meanings of the words condensation, evaporates, groundwater, precipitation, and water cycle. Have students write a clear sentence for each word. Then have them exchange sentences with a partner and complete the sentences.

Approaching
Have students research the rainfall in three consecutive months in Florida and two other states. Have them create a bar graph similar to the one on page 16 to record their findings. Then invite them to have their graphs with the class.

Beyond
Have students research the rainfall in three consecutive months in Florida and two other states. Have them create a bar graph similar to the one on page 16 to record their findings. Then invite them to have their graphs with the class.

Online and Print Resource: My Math Independent Work Suggestions

In section 4 (Practice & Apply), the manual suggests BL assignments for students who do not need to complete all the problems. You can also find this under 'Plan and Present' in the 'Practice & Apply' section.

▼ Practice & Apply

Independent Practice
Based on your observations, you may choose to assign exercises as noted in the levels below:

- AL** Approaching Level Assign Exercises 3-13 (odd), 14-16.
- OL** On Level Assign Exercises 2-12 (even), 14-16.
- BL** Beyond Level Assign Exercises 8-16.

ConnectED- under 'Plan and Present', 'Practice & Apply'.

Independent Practice

RtI Based on your observations, you may choose to assign exercises as noted in the levels below:

- **Approaching Level** Assign Exercises 4–14 (even), 17, 19–20.
- **On Level** Assign Exercises 5–15 (odd), 16–20.
- **Beyond Level** Assign Exercises 5–9 (odd), 13–20.

In the Teacher's Manual under the 'Practice & Apply' section, part 3 of the lesson.

Online and Print Resource: My Math: BL suggestions for work in the RTI section

You will find the 'Enrich' worksheet in the RTI Differentiated Instruction part of ConnectED and the Teacher's Manual. There is also always a 'Hands on Activity' that is separate from that worksheet and will often be more open-ended to allow for creativity or sometimes it is a game. (Note: the Enrichment worksheets are only available on ConnectED.)

Estimate a value for each blank. Have students exchange index cards and complete each other's problems.

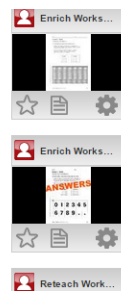
BL BEYOND LEVEL

Extend

Hands-On Activity Materials: 20 index cards

Student pairs will write 20 different decimals (0 through 5) on the cards. The cards are then shuffled and placed facedown. One student chooses two cards, then rounds the numbers. The second student rolls the number cube. If the number rolled is even, the student should add the decimals. If the number rolled is odd, subtraction should be used. The answer to the problem is the amount of points the student earns. The first student to hit 100 points wins.

ConnectED- under 'Plan and Present', 'Differentiated Instruction'



Beyond Level
Extend

Hands-On Activity Materials: index cards, crayons, pencil

On each index card, direct students to draw a picture of a real-world object that can be divided into equal parts. Use the following examples: *Draw a pizza with 4 equal parts. One part is pepperoni. Draw an orange with 6 equal parts. One part is yellow. Have students use a fraction to describe the picture. Then have students write a short story about one of the real-world drawings.*

Lesson 1 Enrich
Unit Fractions

See students' work.

In the Teacher's Manual under the 'RTI Differentiated Instruction' section between parts 4 and 5 of the lesson.

Online and Print Resource: Chapter Project

At the beginning of each chapter, the 'Getting Ready' section includes a 'Chapter Project' idea. This is a good option to investigate. You can find it in the Teacher's Manual or on ConnectED.

The screenshot shows the 'Chapter Project' section for 'Recycling Rules'. It includes a description: 'Students plan a recycling effort.' and two bullet points: 'Students make a poster showing what happens when they recycle plastic, metal, paper, and glass. They estimate how many pounds the average student can recycle in one week and then write a rule showing what happens when more than one student recycles the same number of pounds. The variable is the number of students who will recycle the maximum number of pounds.' and 'Students show how much the class as a whole can recycle, using their rules, and encourage the whole school to recycle by applying the rule to the number of students in the school. They post posters showing these facts around the school and get permission to place recycling bins throughout the school.'

ConnectED- under 'Plan and Present,' 'Launch the Chapter,' 'Project-Based Learning'

Chapter Project

A Class Carnival

Students plan and carry out a class carnival by creating several games involving the use of fractions.

- Each group of students creates a game to play. Then they decide which manipulative to use, such as spinners, number cubes, cards, coins, or counters.
- Students write rules for their games and list favorable and possible outcomes.
- Challenge students to determine the number of times someone would win the game if they played ten times.

Additional Projects are available online under Project-Based Learning.

In the Teacher's Manual under the 'Getting Ready' section at the beginning of the chapter. (The page right after the gold pages.)

Online Resource: Project-Based Learning

Several chapters have one or more project suggestions that you will only find on ConnectED. To find these, open your Teacher Edition in ConnectED, click on the black menu button and choose 'Resources'. Then choose 'Project-Based Learning' in the top drop down and use the second drop down to choose the chapter.

The screenshot shows the 'Resources' page with search filters for 'Lesson Search', 'Keyword Search', and 'Favorites (0)'. A dropdown menu is open for 'Project-Based Learning', showing a list of chapter projects: 'Chapter 7 Projects', 'My Math to IMPACT Math Correlation', 'Chapter 3 Projects', 'Chapter 4 Projects', 'Chapter 5 Projects', 'Chapter 7 Projects' (highlighted), 'Chapter 8 Projects', 'Chapter 9 Projects', 'Chapter 11 Projects', and 'Chapter 12 Projects'. The 'Results' section shows 'Results Per Page 12' and three search results: 'IMPACT Project: ...', 'IMPACT Project: ...', and 'Expressions Car...'. Each result has a star icon, a document icon, and a gear icon. Below these are two more results: 'Expression Card ...' and another 'ANSWERS' result.

Online Resource: Additional BL Suggestions

McGraw-Hill is constantly updating My Math and adding resources. You will only find these updates in ConnectED. One place to look for additional enrichment opportunities is in the 'Plan and Present' section of your Teacher Edition. In the 'Prepare for the Chapter' section, there is a 'Differentiated Instruction' area. Look here to find additional Beyond Level activity suggestions.

Plan and Present

Add To Calendar

Chapter 7:.... Prepare f... ▶

Prepare for the Chapter

▶ Chapter at a Glance

▼ Differentiated Instruction

Use these differentiated instruction activity suggestions, along with the ongoing support provided in each chapter, to meet individual learning needs.

AL APPROACHING LEVEL

Hands-On Activities (Lessons 1-9)
Reteach Masters (Lessons 2-4, 6, 8, 9)

Additional Activity for Lesson 8

Materials: index cards

- Organize student desks in rows and columns. Number the columns and rows to create a coordinate plane.
- Write the ordered pairs for all the points on the coordinate plane on index cards, and give one card to each student.
- Have each student sit down in the desk represented by the ordered pair on his or her card.

BL BEYOND LEVEL

Hands-On Activities (Lessons 1-9)
Enrich Masters (Lessons 2-4, 6, 8, 9)

Additional Activity for Lesson 3

Materials: newspaper advertisements and circulars

- Ask students to make a grocery list of 5 items, such as "Eggs: \$1 per dozen" and "Bread: \$2 per loaf."
- Then have each student write two expressions for the items on their list such as $(2 \times \$1)$ and $(3 \times \$2)$. Ask partners to find the values of the expressions.

Additional Activity for Lesson 8

Materials: grid paper, rulers

- Using a ruler, have students draw straight lines to create a figure, such as a house, on the coordinate plane. Instruct students to mark the points where the lines connect.
- Have students list the ordered pairs for each of the connecting points in their drawings. Then instruct students to write directions explaining how to connect the points to reveal the figure.
- Have students exchange their lists of ordered pairs and their directions. Each student plots the ordered pairs on a coordinate plane and follows the directions to connect the points and reveal the figure.