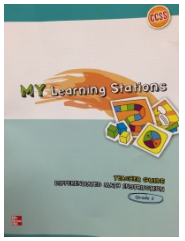
My Math Enrichment Opportunities

(**BL** designates 'Beyond Level' in My Math)



Print Resource Only: My Math: Learning Stations Kit

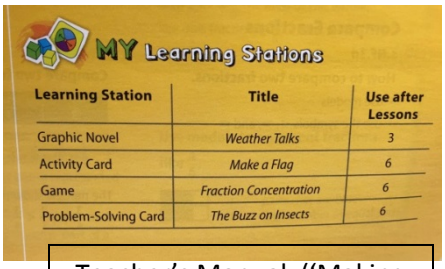
The My Learning Stations instruction book is only available in print. You can find the alignment for these activities in ConnectED, the teacher's manual on the last gold page of the chapter introduction the 'Making Connections' page), or in the front of the My Learning Stations instruction book.

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

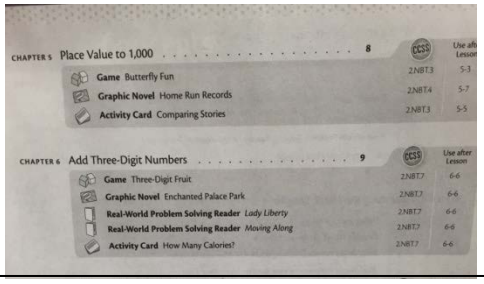
ConnectED in 'Plan and Present,' 'Launch the Chapter,' 'Project- Based Learning'



MY Learning Stations

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

Teacher's Manual ('Making Connections' page)



CHAPTER 5 Place Value to 1,000 8

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 9

Game Three-Digit Fruit 2.NBT.7 6-6

Graphic Novel Enchanted Palace Park 2.NBT.7 6-6

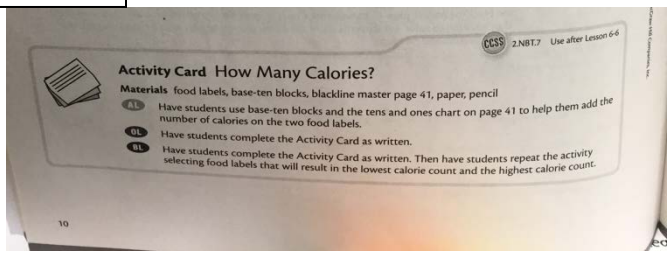
Real-World Problem Solving Reader *Lady Liberty* 2.NBT.7 6-6

Real-World Problem Solving Reader *Moving Along* 2.NBT.7 6-6

Activity Card How Many Calories? 2.NBT.7 6-6

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'.



CCSS 2.NBT.7 Use after Lesson 6-6

Activity Card How Many Calories?

Materials food labels, base-ten blocks, blackline master page 41, paper, pencil

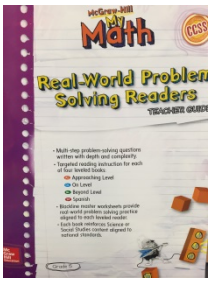
AL Have students use base-ten blocks and the tens and ones chart on page 41 to help them add the number of calories on the two food labels.

OL Have students complete the Activity Card as written.

BL Have students complete the Activity Card as written. Then have students repeat the activity selecting food labels that will result in the lowest calorie count and the highest calorie count.

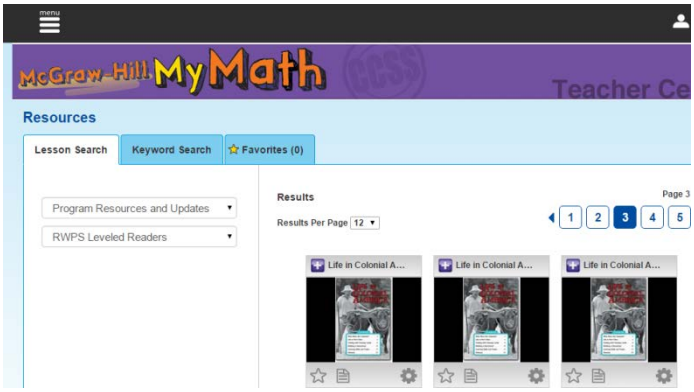
10

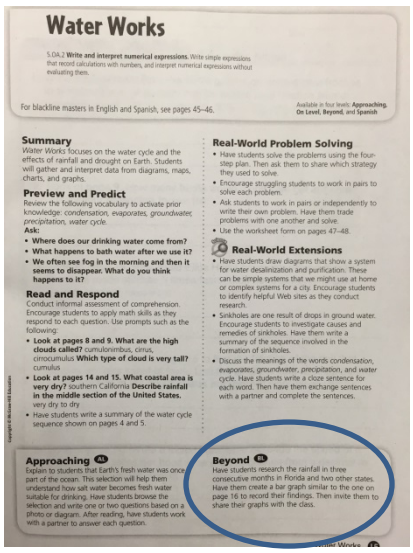
Online and Print Resource: Real World Problem Solving Readers



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 Leveled 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 four levels: 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?** cumulonimbus, cirrus, cirrocumulus **Which type of cloud is very tall?** cumulus
- **Look at pages 14 and 15. What coastal area is very dry?** southern California **Describe rainfall in the middle section of the United States.** very dry to dry
- Have 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 desalinization 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 cloze sentence for each word. Then have them exchange sentences with a partner and complete the sentences.

Approaching AL

Explain to students that Earth's fresh water was once part of the ocean. This selection will help them understand how salt water becomes fresh water suitable for drinking. Have students browse the selection and write one or two questions based on a photo or diagram. After reading, have students work with a partner to answer each question.

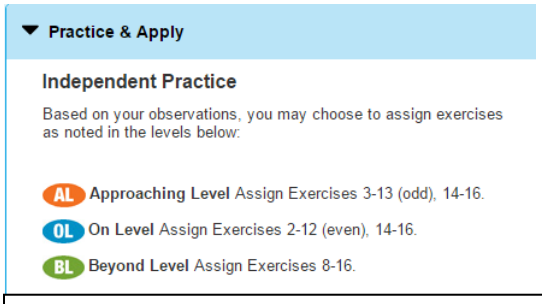
Beyond BL

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 share their graphs with the class.

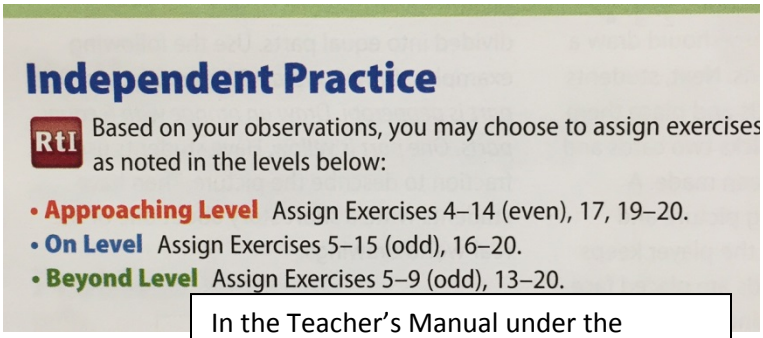
Water Works

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.



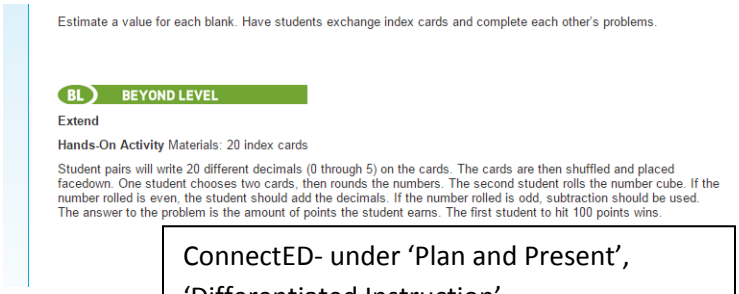
ConnectED- under 'Plan and Present', 'Practice & Apply'.

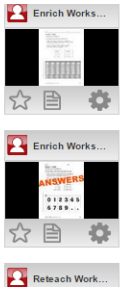


In the Teacher's Manual under the 'Practice & Apply' section, part 3 of the lesson.

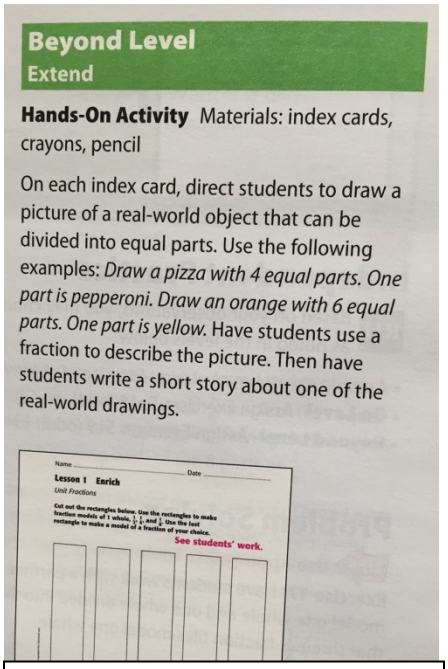
Online and Print Resource: My Math: BL suggestions for work in the RTI section

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.)





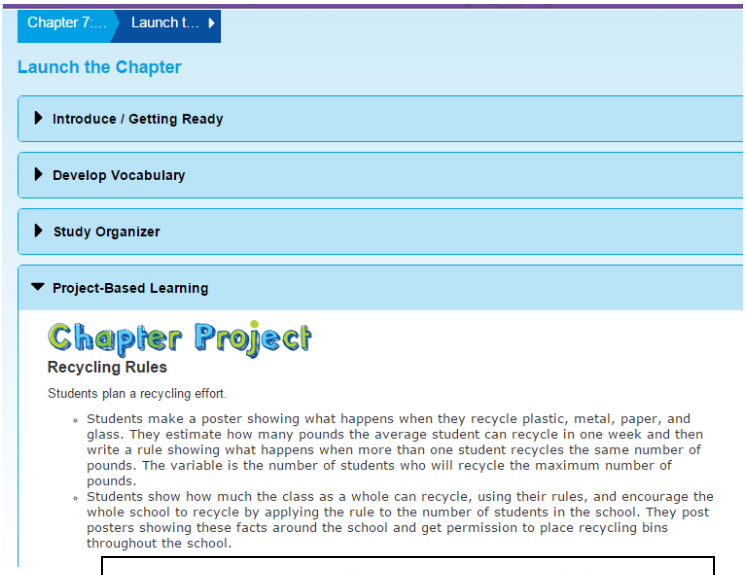
ConnectED- under 'Plan and Present', 'Differentiated Instruction'



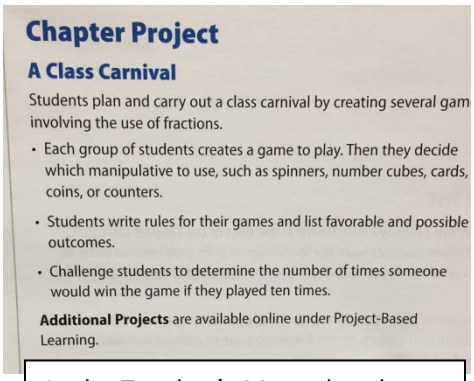
In the Teacher's Manual under the 'RTI Differentiated Instruction' section between parts 4 and5 of the lesson.

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.



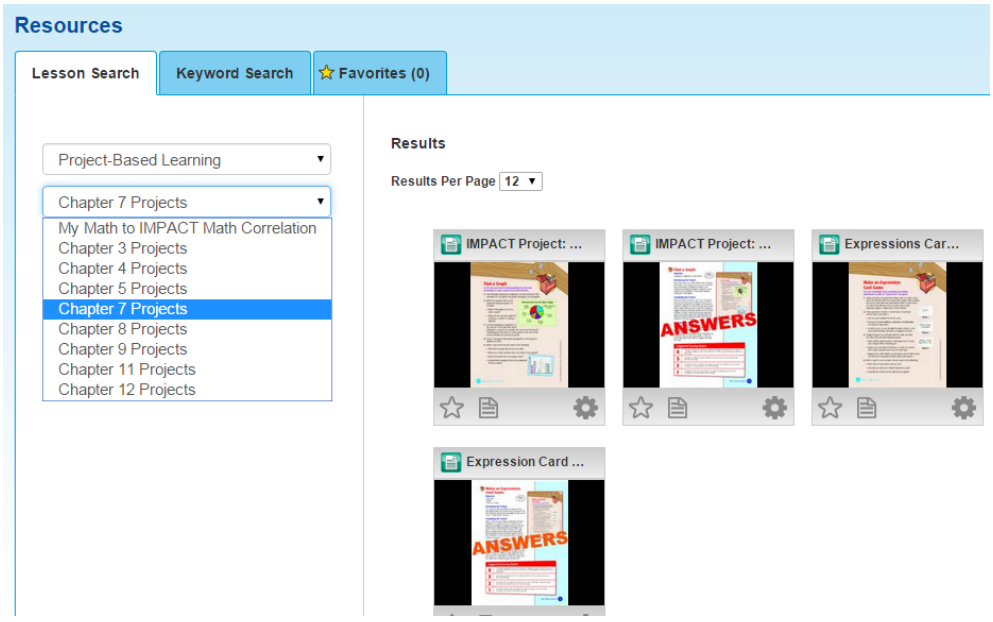
ConnectED- under 'Plan and Present,' 'Launch the Chapter,' 'Project-Based Learning'



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.



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.