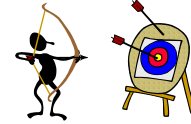


# School • Community • Student • Parent LEARNING CONNECTIONS

Tahoma School District No. 409

## Bringing Science Home

Last May, *Scientific American* featured 20 science-related activities for parents and their children to do together. The staff at *Scientific American* consulted with members of the National Science Teachers Association so the activities would echo themes taught in school. Background information is included with each activity to explain the underlying concepts. Try an activity or two—each one is easy and fun, done with household ingredients and completed in less than an hour. Here is a sampling of a few of their ideas:



Targeting  
Summer Learning Loss

Keep skills sharp  
over the summer!



### It's a Solid... It's a Liquid... It's Oobleck!

Bring Science Home: Activity 1



### Under Pressure: Launch a Balloon Rocket

Bring Science Home: Activity 4

## Tahoma Summer Math Help

Get help with the  
Summer Math Packets

Last Session—August 3rd!  
Tahoma Central Office—Boardroom  
9:00-12:00

Tahoma High School  
Math Club students and teacher,  
Mrs. Shirley, are available to  
provide help to students.

**Just drop in and get help!**



## Science News for Kids

[www.sciencenewsforkids.org](http://www.sciencenewsforkids.org)

See other editions of  
Learning Connections at  
[www.tahomasd.us](http://www.tahomasd.us)

## IN THE COMMUNITY

### ✓ Teen Writing Workshop

- Monday, Aug 8th 4:00 pm
- Fairwood Library

For middle school, junior high and high school. Participate in writing exercises that will stretch Your creating thinking and jump start your writing. Receive a writer's notebook and enjoy icecream provided by friends of the Fairwood library.

### ✓ Teen Book Group

- Wednesday, Aug 10th 4:00 pm
- Covington Library

For grades 6-12. Join us to talk about great books. We'll play games, have snacks, and chat about a different book every month.

August Book: Tomorrow, When the War Began  
By John Mardsen

### ✓ Young Author's Club

- Thursday, Aug 11th 4:00 pm
- Maple Valley Library

Meet at the library to share your work, get helpful writing tips and constructive insights.

**MAPLE VALLEY YOUTH SYMPHONY  
ORCHESTRA PRESENTS**

**THE GOOD  
THE UGLY THE BAD**

**Summer Music Camp**

**FEATURING THE MUSIC OF YOUR  
FAVORITE MOVIE HEROES, VILLAINS,  
AND MONSTERS**

When: August 8 - 12, 2011  
from 10 a.m. - 2 p.m.  
Concert August 12 at 7 p.m.

Where: Maple Valley Presbyterian Church  
22659 Sweeny Rd SE, in Maple Valley

Cost: \$25 includes camp t-shirt!  
Additional \$5 per day for lunch - optional

Sign up today! Visit [www.mvyso.org](http://www.mvyso.org)

## Citizen Scientist Opportunities

just click on the image, links are embedded

Interested in seeing how you can participate in collecting data that might be used in research?



# Citizen Science

Energy & Sustainability Evolution Health Mind & Brain Space Technology More Science

There are many ways you can apply the ideas you are learning in your science classes. Scientific American has a website that brings together resources for citizen science in one spot. Click on the image above and go to their site to check out the many interesting studies that are happening. For a quick glimpse into some of the projects read the descriptions below. Hot links will take you to the website page so you can read more on any projects you find interesting.

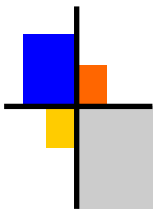


Image courtesy of Mariappan Jawaharlal, via Wikimedia Commons

More Science

## Project Squirrel

**Project Squirrel** was originally created by Wendy Jackson and Joel Brown, and has been operating since 1997. During this time, more than 1,000 people have participated, provided observations, and filled out the project's survey. Participants have been able to learn a great deal about these squirrels, at first in the Chicago Metropolitan Region and now throughout the U.S.



Courtesy of LiquidGhoul, via Wikimedia Commons

More Science

## FrogWatch USA

**FrogWatch USA** is the Association of Zoos & Aquariums' (AZA) flagship citizen science program that allows individuals and families to learn about the wetlands in their communities and help conserve amphibians by reporting the calls of local frogs and toads. Frogs and toads have been vitally important in the field of human medicine and compounds from their skin are currently being tested for anti-cancer and anti-HIV

properties. Frogs and toads also play an important role, serving as both prey and predator, in wetland ecosystems and are considered indicators of environmental health.

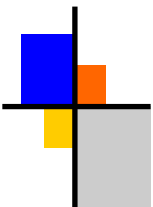


Image courtesy of Benjamin D. Lukoff

Health

## SoundCitizen

**SoundCitizen** was started in 2008 by a group of undergraduates from the University of Washington in Seattle. The students wondered whether it was possible to detect human-originated compounds in the water systems, and decided to find out by testing for cooking spices in local waters. The project has since grown and its scope has been broadened. The focus is still on scientific



# Math Connections

**Holt Math On-Line Program** <http://my.hrw.com>

## Student Usernames and Passwords

Parents were e-mailed their child's new HOLT username and password the week of June 20th. The username construction convention is shown below just in case your child forgets their username.

Username: TSD followed by the student's 6 digit student ID number then capitalized first letter of their first name and capitalized first letter of their last name (no spaces anywhere)

Password: tahoma

**Example for Joe Smith with a district ID number of 112233**

**Username: TSD112233JS**

**Password: tahoma**



## Welcome to Holt McDougal Online!

I am already registered:

Username:

Password:

**Log In**

[Forgot your username or password?](#)

I am a New User and need to register for a program.

**Register**

I am an Evaluator with a sample word and need to preview a program.

**Preview**



Check out this website for easy fun math practice → **Math is Fun**

[www.mathsisfun.com](http://www.mathsisfun.com)

Math is Fun has logic puzzles:



### 5 Pirates

5 pirates of different ages have a treasure of 100 gold coins. On their ship, they decide... [Try Puzzle >>](#)

Try a number puzzle—there are many on the website!



### 24 from 8,8,3,3

How can I get the answer 24 by only using the numbers 8,8,3,3. You can use the main signs... [Try Puzzle >>](#)

# Accelerated Math — Summer Practice

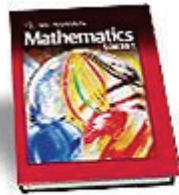


5th Grade Students accelerating in math getting ready for middle level math in September

August 3, 2011

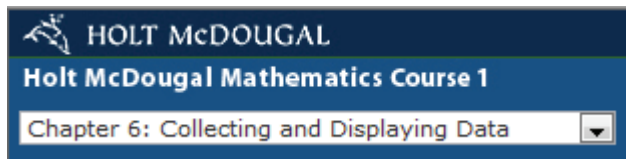
Hopefully your week 4 math work went well! If you are having trouble on any of the math problems assigned check out the lessons included in the Holt on-line math resources. There are lesson videos Holt has produced where a math teacher, Professor Burger, demonstrates how to solve the problems associated with each lesson topic.

Go to <http://my.hrw.com>

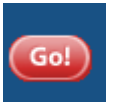


Open the Course 1 interactive online edition

Holt McDougal Mathematics Course 1 Interactive Online Edition



First select a chapter—for this lesson you want to select Chapter 6: Collecting and Displaying Data then click



## Lesson Tutorial Videos

This week you may want to check out the video lesson tutorials for:

Lesson 6-5: Line Plots, Frequency Tables, and Histograms

Lesson 6-7: Line Plots



Lesson 6-5: Example 1

Lesson 6-5: Example 2

Lesson 6-5: Example 3

Lesson 6-5: Example 4

Lesson 6-5A: Example 1

Lesson 6-5A: Example 2

Lesson 6-5A: Example 3

Lesson 6-6: Example 1

Lesson 6-6: Example 2

Lesson 6-7: Example 1

Lesson 6-7: Example 2

Lesson 6-7: Example 3

Now grab some paper and work these problems. This is what you will turn into your teacher in September for the Week 5 Summer Math Practice. Sometimes you'll notice the numbering may be off! Don't worry - you'll be happy to know we sometimes cut some of the problems out. Please number your problems as they are shown below.

## Extra Practice ... Chapter 6

### LESSON 6-1

- Each year a community holds a 5 km race. In 2004, 1,345 people participated in the race. In 2005, 1,415 people participated. In 2006, 1,532 people participated. In 2007, 1,607 people participated, and in 2008, 1,781 people participated. Use the data to make a table. Then use your table to describe how participation changed over time.
- Make a table using the basketball data below. Then use your table to tell which player had the most points, rebounds, and assists.

In 1,560 games, Kareem Abdul-Jabbar scored 38,387 points, grabbed 17,440 rebounds, and made 5,660 assists. In 897 games, Larry Bird scored 21,791 points, grabbed 8,974 rebounds, and made 5,695 assists. In 963 games, Bill Russell scored 14,522 points, grabbed 21,620 rebounds, and made 4,100 assists.

### LESSON 6-2

Find the mean, median, mode, and range of each data set.

3. 

Points Scored				
16	18	23	13	15

4. 

Hours Worked							
37	42	43	38	39	40	45	40

### LESSON 6-3

- The table shows a student's test scores. Find the mean, median, and mode of the test scores.
- On the next test the student scored a 92. Find the mean, median, and mode with the new test score.

Test Scores			
78	82	87	95

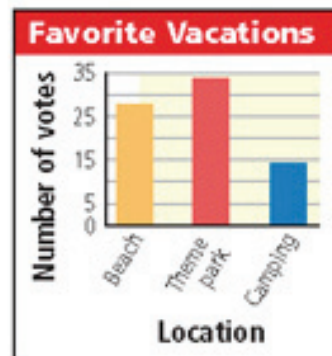
- The daily temperatures for the first eight days of April were 52 °F, 63 °F, 61 °F, 54 °F, 52 °F, 55 °F, 68 °F, and 75°. What are the mean, median, and mode of this data set? Which one best describes the data set?

### LESSON 6-4

Use the bar graph to answer each question.

- Which type of vacation received the most votes?
- Which types of vacations received more than 20 votes?
- Use the data given below to make a bar graph.

Number of Days with Temperatures over 100°F			
June	3	August	14
July	5	September	7



# Extra Practice Chapter 6

## LESSON 6-5

10. Use the data of students' heights to make a frequency table with intervals. Then use your frequency table to make a histogram.

Heights of Students (in.)							
63	58	48	60	60	65	56	57
56	62	61	58	59	55	64	50

11. Make a line plot of the data.

Number of Miles Biked																								
14	45	33	34	32	37	44	19	35	36	17	33	35	40	41	38	47	31	44	23	27	20	33	45	27

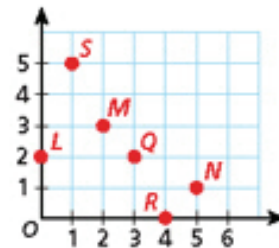
## LESSON 6-6

Name the ordered pair for each location on the grid.

12. *L*                                      13. *M*                                      14. *R*

Graph and label each point on a coordinate grid.

15.  $A(0, 3)$                                       16.  $B(5\frac{1}{2}, 3)$                                       17.  $C(2, 1\frac{1}{2})$



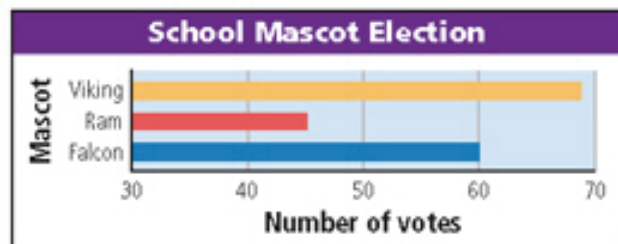
## LESSON 6-7

18. Use the data in the table to make a double-line graph. Did toy sales increase or decrease for store A?

Toy Sales				
	January	March	May	July
Store A	\$460	\$580	\$950	\$1200
Store B	\$520	\$450	\$880	\$1250

## LESSON 6-8

19. Explain why this bar graph is misleading.  
20. What might people believe from the misleading graph?



## LESSON 6-9

21. Use the data in the table to make a stem-and-leaf plot. Then use your stem-and-leaf plot to find the mean, median, and mode of the data.

Time Spent Doing Homework (min)				
15	35	60	65	15
10	35	60	20	35

## LESSON 6-10

22. The table shows the shoe sizes of the female students in Mrs. Woodward's gym class. Which graph would be more appropriate to show the data—a stem-and-leaf plot or a line plot? Draw the more appropriate graph.

Shoe Sizes of Female Students																	
7	8	7 $\frac{1}{2}$	8	9	5	9 $\frac{1}{2}$	7	7 $\frac{1}{2}$	7 $\frac{1}{2}$	8 $\frac{1}{2}$	8	7	6 $\frac{1}{2}$	7	8	10	9