

# Using the Newspaper to Teach Virginia's SOL's

## MATH

### Classified Math

SOL #: 5.3

Create and solve problems using addition, subtraction, estimating, and calculators.

Using classified ads, the teacher “gives” each student \$2500 to buy what they want from the classified ads. They cut out what they want and subtract it from the original \$2500. Each thing they buy is glued on their column on a large piece of chart paper. The person who buys the most things, coming as close to \$2500 but not going over, in a set amount of time, wins.

Example:  
Sally  
2500.00  
-wood 25.00  
2475  
-dog 300.00  
2175  
-dresser 175.00  
2000.00

Patricia Parker  
Walker Grant Middle School  
Fredericksburg, VA

## English

### Reaction Paper

SOL #: 12.4, 12.7

The student will read a variety of print materials. (12.4) The student will write a variety of expository and technical papers. (12.7)

Reading, responding and reacting to an editorial.

Sheila Fielding  
Harrisonburg High School  
Harrisonburg, VA

## Social Studies

### “Friend or Foe”

SOL #: 10.14

10.14 – Analyze the forces of conflict and cooperation as they influence disputes over borders, resources, and settlement areas.

This activity monitors international conflicts and cooperative efforts among nations. It’s great for current events and learning the location of countries.

Using the newspaper on a daily basis, follow any international conflicts (or cooperations) between countries. Locate on a blank world map the two nations involved. Then answer the following questions:

Conflict or Cooperation –  
Two Nations Involved –  
Date of Event –  
Description of Event –  
Other Nations Involved? Their Reasons?  
Multinational Organizations Involved –  
Your Prediction on the Outcome –

This paper is put in a notebook. The two countries are monitored. Information is added as available. Great for class discussions.

Pam Rose  
T. Benton Gayle Middle School  
Fredericksburg, VA

# 3<sup>rd</sup> Grade History

## Latitude and Longitude

SOL #: 3.5

3.5 – The student will distinguish between meridians of longitude and parallels of latitude and use the equator and prime meridian to identify the Northern, Southern, Eastern, and Western hemispheres. And the locations of the ancient civilizations, European nations, and American colonies which the student is studying.

Materials: world maps showing Latitude and Longitude lines and the newspaper.

Find the international news page. Look at the headlines and cut and paste the following names of countries in alphabetical order on the chart below:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

Now use a map of the world to write the degrees of latitude and longitude in the chart.

Name of Country	Latitude	Longitude
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Cathy Leonard  
Wilson Elementary School  
Fishersville, VA

# 3<sup>rd</sup> Grade Science

## The Water Cycle

SOL #: 3.9

3.9 – The student will investigate and understand the water cycle and its relationship to life on Earth.

Find the map of the United States in the newspaper. Look at the colors of the temperature above the map to answer the following questions:

1. Name a state with temperatures in the 30's.
2. Name a state with temperatures in the 60's.
3. Name a state with temperatures in the 80's.

Look at the precipitation key below the map to answer the following questions:

1. Name a state that has snow today.
2. Name a state that has showers today.
3. Name a state that has thunderstorms today.

(These questions may be used according to the precipitation shown on the map:)

1. Name a city that has snow today.
2. Name a city that has showers today.
3. Name a city that has thunderstorms today.

Cathy Leonard  
Wilson Elementary School  
Fishersville, VA

# 3<sup>rd</sup> Grade Math

## Rounding Whole Numbers

SOL #: 3.2

3.2 – The student will round a whole number, 999 or less, to the nearest ten and hundred.

Find an advertisement in the newspaper. Cut out the prices and glue them below in order from least to greatest. Then round each price to the nearest ten dollars:

Price:

Rounded to the Nearest Ten:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Cathy Leonard  
Wilson Elementary School  
Fishersville, VA

## Earth Science

Students will become familiar with the local newspaper's weather page by searching for information and giving data.

SOL #: ES.1, ES.2, ES.3, ES.4, ES.11, ES.13

ES.1 – The student will plan and conduct investigations in which scales, diagrams, maps, charts, graphs, tables, and profiles are constructed and interpreted.

ES.2 – The student will demonstrate scientific reasoning and logic by recognizing that evidence is required to evaluate hypotheses and explanations.

ES.3 – The student will investigate and understand how to read and interpret maps (geographical and weather), globes, models, charts, and imagery.

ES.4 – The student will investigate and understand the characteristics of the earth including water in all three states.

ES.11 – The student will understand weather system interactions.

ES.13 – The student will understand weather phenomena and weather patterns.

Materials – Colored Pencils, Weather Page, Question Sheets

List some ways you can find out today's weather. The local newspaper has an excellent weather page which gives us a comprehensive forecast of local, state, and national weather. Cut out the entire weather page from a local newspaper.

1. In red on your weather page, circle 30 different words that describe anything in weather. List below under the appropriate letter (some letters will have several words, some letters may not have any words).

A.	H.	O.	U.
B.	I.	P.	V.
C.	J.	Q.	W.
D.	K.	R.	X.
E.	L.	S.	Y.
F.	M.	T.	Z.
G.			

Circle in red any words you don't know the meaning of.

2. Extended weather is the forecast for the next 5 days. In orange circle the entire extended forecast and write "EXTENDED" in large letters.

What is today's forecast?

What is tomorrow's forecast?

Any precipitation soon?

3. Isotherms are areas on a weather map that have the same temperature. In blue circle the isotherm color chart and write "ISOTHERMS" in large letters.

What temperature does Virginia have?

What temperature does Florida have?  
What temperature does Maine have?

4. Fronts are leading edges of moving air masses. In green circle the symbols for fronts (near national map), and write "FRONTS" in large letters.

Draw the symbols for these fronts:

- Warm –
- Cold –
- Stationary –

On the map, circle each front in green. Write what type of front each is.

5. Precipitation is a form of water that falls from the sky. In brown circle the symbols (near national map) and write "PRECIPITATION". List the precipitation types and draw each symbol.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

6. In purple circle the internet address that you can use to find weather information. The address is \_\_\_\_\_.

7. A regional forecast is the weather predicted for nearby counties. In yellow circle the entire forecast and write "REGIONAL". List the four counties.

- 1.
- 2.
- 3.
- 4.

High and low temperatures are given for cities across the state. Give the temperatures for these cities. Circle in yellow.

Winchester \_\_\_\_\_ Washington, DC \_\_\_\_\_  
Charlottesville \_\_\_\_\_  
Staunton \_\_\_\_\_  
Blacksburg \_\_\_\_\_ Richmond \_\_\_\_\_

8. In red circle the moon and the sun information.

The sun will rise today at \_\_\_\_\_  
The sun will set today at \_\_\_\_\_  
Hours of daylight today \_\_\_\_\_ Determine \_\_\_\_\_  
Which is longer-day or night? \_\_\_\_\_

Look at tomorrow-is the daylight getting longer or shorter? \_\_\_\_\_

The moon will rise today at \_\_\_\_\_  
The next full moon will be \_\_\_\_\_

The next new moon will be \_\_\_\_\_

9. The almanac gives information about past weather. In blue circle the Almanac and label "ALMANAC."

Today's normal high is \_\_\_\_\_

Today's normal low is \_\_\_\_\_

Is this temperature above or below the average? \_\_\_\_\_

How much rain so far this month? \_\_\_\_\_

Are we above or below average? \_\_\_\_\_

Did it rain the last 24 hours? \_\_\_\_\_ How much? \_\_\_\_\_

10. Pollen makes breathing difficult for some of us. List the 4 kinds.

1.

3.

2.

4.

In purple circle the following cities and their temperatures.

San Francisco \_\_\_\_\_ New Orleans \_\_\_\_\_ Kansas City \_\_\_\_\_

Denver \_\_\_\_\_ Pittsburgh \_\_\_\_\_ New York \_\_\_\_\_

Houston \_\_\_\_\_ Seattle \_\_\_\_\_ Chicago \_\_\_\_\_

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What do these abbreviations stand for?

C=

sh=

Pc=

r=

S=

sn=

Sf=

John F. Ludt IV  
Rivershead High School  
Staunton, VA