Activity #1
Adding Decimals -- Complete each problem on a separate sheet of paper. Show your work.
1. You have to be 48 inches tall to ride a roller coaster at Great Adventures. Jeremy is 45 inches tall. If he grows 1.5 inches each year, will he be able to ride the roller coaster in 2 years? Write a number model to support your answer.

2. Briana had $10.52 after she left Chick-fil-A. If she bought a sandwich for $6.99 and a large fry for $3.99, how much money did she have before she went through the Drive-thru?

3. Cherry bought several items for her dog from the pet store. The table below shows everything that Cherry bought. How much money did Cherry spend all together?

<table>
<thead>
<tr>
<th>Items</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>biscuits</td>
<td>$2.36</td>
</tr>
<tr>
<td>dry food</td>
<td>$8.95</td>
</tr>
<tr>
<td>canned food</td>
<td>$6.83</td>
</tr>
<tr>
<td>squeaky toy</td>
<td>$5.28</td>
</tr>
<tr>
<td>leash</td>
<td>$7.48</td>
</tr>
</tbody>
</table>

Activity #2
Add or subtract the decimals.
1.) 74.24 − 36.91
2.) 67.45 + 23.8
3.) 42.15 - 10.79
4.) 86.23 - 40.56
5.) 27.103 - 15.396
6.) 31.721 + 74.57
7.) 40.82 + 15.345
8.) 39.89 - 27.31
9.) 76.32 + 26.25
10.) 95.34 + 33.79

Activity #3
The data in the chart below were recorded by a student measuring the thickness of four rock layers.
### Thickness of Rock Layers

<table>
<thead>
<tr>
<th>Layer</th>
<th>Thickness (in centimeters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>11.2</td>
</tr>
<tr>
<td>B</td>
<td>10.8</td>
</tr>
<tr>
<td>C</td>
<td>13.5</td>
</tr>
<tr>
<td>D</td>
<td>11.1</td>
</tr>
</tbody>
</table>

Use the data to answer the following questions on a separate sheet of paper:

- Which rock layer was the thickest? _______
- Which rock layer was the thinnest? ____
- How much thinner was the thinnestrock layer than the thickest rock layer? _______
- How thick are all of the layers together? _______
Activity #1

Theme is an underlying message or the big idea of a story. This message could tell more about human nature or life in general. Many stories have more than one theme. There are several ways a reader can piece together the story's theme.

Directions: Read the following poem and answer the questions.

“Ah, ha! Gotcha!”
People say, whenever April
Rolls around. A ritual of trickery.
It’s always the same. We say,
“Look!” when nothing’s there. Everyone
Forgets for a second that today is not like
Other days. It seems that no
One tells the truth today. Do you
Like to play tricks?
So do I.
Don’t look now. There’s
A hairy spider on your head. Ah, ha! Made
You look!
Please, don’t get mad. I’m
Only kidding around. Nothing serious.
Eek! Why did you say there was a spider on
Me?

1. The theme of the poem includes the suggestion that
   A. April Fool’s Day is the best holiday.
   B. Nobody likes to be made a fool of.
   C. It’s okay to lie to your parents.
   D. It can be fun to play jokes on others.

2. “April Fool’s Day Poem” is an acrostic poem. Describe what that means on a separate sheet of paper.

3. Go back and highlight the details for the theme of the poem with a crayon, highlighter, or underline. If you are answering this in Google Classroom, write the details that support the theme you chose.
Activity #2
On April 22, we celebrated Earth Day. Think about the ways that the planet could benefit from people staying home. On a separate sheet of paper, write a paragraph about ways the Earth (nature, animals, oceans, etc.) can recover while people are staying home.

Be sure to reread what you write! Edit your writing to include proper capitalization, sentence structure, spelling, and punctuation. After you check your writing, share it with someone at home!

Activity #3
Complete the attached What’s the Point? activity.
Activity #1

Read the article *Rising Seas Force Changes on Maryland’s Historic Eastern Shore Farms* and answer the following questions on a separate piece of paper.

1. What is causing the crops to stop growing in the past 15-20 years?

2. How many people are likely to be displaced because of rising waters?

3. What is the name used for areas of land with dying pine trees killed by increasingly salty soil?

4. Though increasing levels of salt water are destroying farms, they are creating more wetlands which are habitat to many waterfowl. What is one positive economic impact the increased wetlands may provide for the state?

5. Sea level rise has a larger and more immediate impact on areas closer to the water. Think of areas in Somerset County that may be impacted most by sea level rise in the coming years. Predict what those areas will look like. What impacts will this have on the people, animals, and plants that live there? How could this impact economic growth in those areas?
Activity #2

### Predators vs. Prey

<table>
<thead>
<tr>
<th>Year</th>
<th># of Cats</th>
<th># of Mice</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>250</td>
<td>450</td>
</tr>
<tr>
<td>2012</td>
<td>300</td>
<td>360</td>
</tr>
<tr>
<td>2013</td>
<td>320</td>
<td>250</td>
</tr>
<tr>
<td>2014</td>
<td>350</td>
<td>150</td>
</tr>
<tr>
<td>2015</td>
<td>300</td>
<td>150</td>
</tr>
<tr>
<td>2016</td>
<td>250</td>
<td>225</td>
</tr>
<tr>
<td>2017</td>
<td>200</td>
<td>300</td>
</tr>
<tr>
<td>2018</td>
<td>100</td>
<td>405</td>
</tr>
<tr>
<td>2019</td>
<td>225</td>
<td>390</td>
</tr>
</tbody>
</table>

1. Why might the number of mice have dropped from 2011 to 2012?
2. Why might the number of cats have decreased from 2014 to 2015 when the number of mice stayed the same?
3. What events might have caused the drastic decrease in cats from 2017 to 2018?
4. What other factors beside the predator relationship might account for a population increasing?
5. Name 2 other predator/prey relationships.

Activity #3

### Density of Gases

<table>
<thead>
<tr>
<th>Name of gas</th>
<th>Density in grams per ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrogen</td>
<td>0.00009</td>
</tr>
<tr>
<td>carbon dioxide</td>
<td>0.00198</td>
</tr>
<tr>
<td>helium</td>
<td>0.00218</td>
</tr>
<tr>
<td>nitrogen</td>
<td>0.00126</td>
</tr>
<tr>
<td>oxygen</td>
<td>0.00143</td>
</tr>
</tbody>
</table>
1. The information in the above table lists the density of some common gases. The density of air is 0.0013 grams per ml. According to the data table, why do helium balloons float in air?

2. Place the gases in order from least dense to most dense. Which gas would flow the fastest? Explain.
Activity #1
Read The Legislative Branch, and use the Venn Diagram to answer the following questions.

1. What title would be appropriate for the LEFT circle?
   a. Senate
   b. Speaker of the House
   c. House of Representatives
   d. Congress

2. What title would be appropriate for the RIGHT circle?
   a. Senate
   b. Speaker of the House
   c. House of Representatives
   d. Congress

3. Which statement can be added to the CENTER of the venn diagram?
   a. Can vote no on bills
   b. Has 100 members total
   c. Is led by the Vice President
   d. Is led by the Speaker of the House

4. Which statement can be added to the LEFT of the venn diagram?
   a. Can vote no on bills
   b. Has 100 members total
   c. Is led by the Vice President
   d. Is led by the Speaker of the House

Activity #2
Congress is divided up into two branches or “houses”: the upper house, also known as the Senate, and the lower house, also known as the House of Representatives. These two houses have to work together to carry out the powers assigned to Congress. Each house is different and has different requirements to be a member, a different number of representatives, different leaders, etc. Below is an outline of the basic facts for the Senate and the House of Representatives.

I. House of Representatives:
A. Is known as the lower house
B. Called a representative
C. Led by the Speaker of the House
D. Serve a 2 year term
E. 435 total members
F. Representatives per state are based on population.
G. Elected by voters from their congressional district (area they serve)
H. Must be 25 years old
I. Must be a U.S. citizen for 7 years
J. Must live in the state they are elected to represent

II. Senate:
A. Is known as the upper house
B. Call a senator
C. Led by the Vice-President  Serve a 6 year term
D. 1/3 of the senate is elected every 2 years
E. 100 total members
F. 2 senators are elected per state
G. Elected by voters in the state they represent
H. Must be 30 years old
I. Must be a U.S. citizen for nine years
J. Must live in the state they are elected to represent

Name that House

Below are 10 statements about either the House of Representatives or the Senate. Next to each statement you need to write either “H” for the House of Representatives or “S” for the Senate.

1) _______ Is made up of 100 members.
2) _______ Must be 25 years or older to be a member.
3) _______ Must be a citizen for 7 or more years before becoming a member.
4) _______ Are elected by voters from the congressional district.
5) _______ The leader or presiding office is the Vice-President.
6) _______ Members are called Senators
7) _______ Is made up of 435 members.
8) _______ The amount of members per state is based on that state’s population.
9) _______ Must be 30 years or older in order to be a member.
10) _______ The leader is called the Speaker of the House.
The President’s Cabinet is a group of advisors. It is made up of the heads of the 15 main executive departments.

Each of the department heads has the title Secretary, like Secretary of Defense or Secretary of Education, except for the head of the Justice Department who is called the Attorney General. Cabinet members are chosen by the President and then confirmed by the Senate. The President can also remove Cabinet members at any time. The Cabinet members are some of the most powerful people in the United States and each of their departments is important in the running of our country.

**Department of Agriculture:** The USDA plays an important role in overseeing farming and our food.

**Department of Commerce:** This department works on promoting the nation's economy. They do this by running programs that help technological innovation, supporting business and industry, and issuing patents and trademarks.

**Department of Defense:** This department provides the military that defends our country. It includes the Army, Navy, and Air Force. It is headquartered at the Pentagon in Arlington, Virginia.

**Department of Education:** This Department of Education promotes national education and works to keep America competitive and to make sure that education is available to everyone.

**Department of the Interior:** This department manages our national parks and works to protect our lands, wildlife, and natural resources.

**Department of the Treasury:** This department manages the money for the United State financial systems. It not only makes the money, but collects taxes and makes sure that the government has the money to keep running.

Using the listed Cabinet members, match each problem with the member most qualified to advise the President.

Secretary of the Treasury, ______________________
Secretary of Defense; ______________________
Secretary of Agriculture; ______________________
Secretary of Education; ______________________
Secretary of Transportation: ______________________

A. Overseas conflict
B. Aging roads and bridges
C. Rising unemployment
D. Drought conditions
E. Overcrowded schools
# Fine Arts Activities

## Week 6

Student’s Name ____________________________         Teacher _______________________

### FINE ARTS

#### Activity #1
**Strength Challenge**
Challenge yourself with various exercises targeted to improve your muscular strength. Try to do one more repetition every day in order to improve strength. Please add this to your log.

1. Push Ups- 10
2. Sit Ups- 15
3. Planks- start at 45 seconds. Try to increase time by 5 seconds every day.
4. Leg Raises (6 inches)- start at 45 seconds. Try to increase time by 5 seconds every day.
5. Wall Sits- start at 45 seconds. Try to increase time by 5 seconds every day.

#### Activity #2
Art is all around us. Make a list of 10 pieces of art that you can find in your home. Be creative and record your ideas on a separate sheet of paper.

#### Activity #3
Read The History of Hip Hop article. Answer the questions on a separate sheet of paper.
The History of Hip Hop

Directions: Read the passage below and answer the questions that follow.

It is said that hip hop music was born at a birthday party in the Bronx, NY. This popular genre of music started out as party music in the 1970s. It was played by local DJs in the city neighborhoods. DJs put different pieces of music together. They did this to make new sounds. Then, rapping was added. Rapping is a way of talking over the music with words that rhyme. DJs arranged the beats so that rappers could find rhythm. Then, the rappers would speak in time with the beat. Rappers often wrote lyrics, or the words of a song, about their own lives. At first, hip hop served as a response to disco. Disco was a dance music craze in the 1970s. Disco was all about wealth and status. Hip hop emphasized reality and community. Hip hop music and culture became helpful to musicians and listeners. It was a way for them to deal with the difficult things about city life. Hip hop quickly became an artistic outlet for Americans. It was a new way to tell stories. From there, hip hop evolved from just a type of music to an entire lifestyle. Hip hop is an art form that continues to evolve and impact communities today. New artists and new sounds are brought into the genre. The new styles continue to become popular. Hip hop is a genre that is heard and enjoyed all over the world.

1. How are hip hop and disco related?
2. Why do you think hip hop is an important music genre for Americans?
3. What are two things that make hip hop unique?
4. What is one notable fact about how hip hop music was created?
5. In your own words, write a definition for rapping.
Rising Seas Forcing Changes on Maryland's Historic Eastern Shore Farms

By Steve Baragona
October 29, 2018 04:04 AM

The fields grow shoulder-high with weeds out the window of Bob Fitzgerald's Ford pickup. The drive through Fitzgerald's neighborhood in Princess Anne, Maryland, is a tour of dying forests and abandoned cropland.

"A few years ago, all of this was a good farm," he said. "And it's gone, as a farm."

The land along the shores of the Chesapeake Bay has been sinking for centuries. But climate change is adding a second whammy. As the sea level rises, salt water is seeping into the water table, deeper and deeper inland. The ground is becoming too salty for crops to grow.

Maryland's Eastern Shore is home to some of the oldest farms in America. Fitzgerald's dates back to 1666. He's seen big changes in his lifetime.

"You just can't believe how it's taking things over in the last 15 or 20 years," Fitzgerald said. "I can show you land around here that people raised tomatoes on when I was a little boy. And now it's gone."

Around the world, scientists warn that coastal farms are under threat from rising seas and encroaching salt water. A World Bank report estimates rice yields in coastal areas of Bangladesh may fall by more than 15 percent by 2050. Another report found that hundreds of millions of people will likely be displaced by rising waters.

Kate Tully aims to help keep Eastern Shore farmers in business as the seas rise.
The University of Maryland agroecologist had seen the "ghost forests" of dying pine trees killed by the increasingly salty soil. When she started looking at maps, she said, "I realized that a lot of the land that was upslope wasn't just forests, it was farms. And so I started poking around and talking to people and asking if this was an issue on farms."

It was. But "a lot of people hadn't really been talking about it" outside their own communities, she said.

With a new $1.1 million research grant from the U.S. Department of Agriculture, Tully and her colleagues are aiming to give farmers options.

Test plots scattered around the Eastern Shore are trying out different crops.

"One thing that I'm very pleasantly surprised about is how well the sorghum does," Tully said. The grain crop may be a good choice to feed the roughly 600 million chickens raised in the region each year. It's a hardy crop that can handle salt, drought and heavy rains.

Tully's group is also testing barley to supply the growing microbrew industry; the oilseed canola; switchgrass, a possible biofuel crop; and salt-tolerant soybeans.

Just being able to grow a crop isn't enough, though. It also has to be profitable. An economist on the team will be running the numbers.

"I never want to recommend something that would make farmers go out of business," Tully said. But farming the land may not be the best option. Another choice is to give in to nature and turn fields into wetlands.

Wetlands attract waterfowl. Waterfowl attract hunters.

"There's money in duck hunting," Tully said. Hunting clubs will pay farmers for exclusive access to wetlands on their property. "It can be a lucrative pathway."

Tully and her colleagues are just getting started. It will be a few years before they have recommendations for what will sustain communities that have been farming this land for centuries.

"There's a lot of history there. And as these seas rise, some of that history is going underwater," Tully said. "And I find that to be a pretty moving, pretty motivating reason to try to figure out what we can do for these farmers."

The Legislative Branch

Legislative branch is the part of the government that makes laws. The legislative branch is called Congress. Congress is divided into two "houses".

One house is the House of Representatives. The House of Representatives is made up of Representatives, who are each elected by voters from their own state. The number of Representatives a state has is based on how many people live there: the more people a state has, the more representatives it gets. Every 10 years, the U.S. Census Bureau conducts a census, or count, of the population of the United States. States gain or lose Representatives based on their total population as shown by the census. Representatives serve two-year terms. The total number of representatives today is 435. The leader of the House of Representatives is the Speaker of the House, who is also the person who would become president if the President and Vice President were unable.

The other house is the Senate. In the Senate, each state is represented equally, by two Senators. Because there are 50 states, there are 100 senators. Before the President makes treaties or appoints officials, the Senate must approve them. Senators serve six year terms. The Vice President of the United States serves as president of the Senate, but may only cast votes in order to break a tie vote. In practice, the Vice President is usually absent from the Senate, and a Senator is selected to serve as president pro tempore, or temporary president, of the Senate.

Representatives and Senators propose laws, called "bills", in their respective houses. A bill may be voted upon by the entire house right away or may first go to a small group of members of that house, known as a committee, which may recommend a bill for a vote by the whole house. If one house votes to pass a bill, the bill then gets sent to the other house; if both houses vote for it, it is then sent to the President, who may sign the bill into law or veto it. If the President vetoes the bill, it is sent back to Congress. If Congress votes again and passes the bill with at least a two-thirds majority, the bill becomes law and cannot be vetoed by the President.

Under the American system of federalism, Congress may not make laws that directly control the states; instead, Congress may use the promise of federal funds or extenuating circumstances, such as national emergencies, to encourage the states to follow federal law. This system is both complex and unique.
WHAT’S THE POINT?

Author Purpose: the reason an author writes something.

Directions: Identify and view, read, or listen to three forms of media (YouTube video, television or radio commercial, magazine ads, TV show, or book), one that is informative, one that is entertaining, and one that is persuasive. Write a response telling how you know that form of media is to inform, entertain or persuade. Provide evidence from the show to support your response.

#1:

_____________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________

#2:

_____________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________

#3:

_____________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________
_____________________________________________________________________________________
Show ALL of your thinking!

1) \[ \frac{956}{35} \times \frac{372}{9} \]

2) \[ (17 - 10) \times 10 = \] 

3) \[ \frac{1}{10} \]

4) Round to the nearest tenth: \[ 166.52 \]

5) Find the value of the underlined digit. \[ \frac{766.1}{10} \]

6) Write the expression below. Find the product of 6 times 2 less than 5.

7) Reduce as much as possible. \[ \frac{12}{16} = \]

8) Fill in the blank to make an equivalent fraction. \[ \frac{3}{5} = \]

9) Write the coordinates of the Star.

10) Which choice(s) best apply to the statement:
Is a quadrilateral. Does not have 4 right angles but two sets of opposite angles the same degree. Also has 4 sides of equal length.

A. Trapezoid
B. Rhombus
C. Parallelogram
D. Rectangle