

Remote Learning Plan Summary for April 20-24

Teacher: **Mrs. Macaulay**

	Monday	Tuesday	Wednesday	Thursday	Friday
LANGUAGE ARTS (READING AND WRITING)	<ul style="list-style-type: none"> Book Club- start reading this week's pages (20 min.) Kids Discover <i>Before Reading</i> 	<ul style="list-style-type: none"> Book Club- finish reading start job (20 minutes) Kids Discover page 1 <i>It's in the Reading</i> (20 minutes) 	<ul style="list-style-type: none"> Book Club job Zoom Conference 11:30 Guess the Covered Word 	<ul style="list-style-type: none"> Book Club job Kids Discover page 2 <u><i>It's in the Reading</i></u> 	<ul style="list-style-type: none"> Finish Book Club job Book Club Zoom Conference
MATHEMATICS	<ul style="list-style-type: none"> Complete Nearpod Code: STZMK 7.4 School Home connection side only (40 min.) 	<ul style="list-style-type: none"> Complete Nearpod Code: YSOLD 7.5 School-Home Connection side (40 minutes) 	<ul style="list-style-type: none"> ST Math (30 minutes) *Flashcards and 36's (10 minutes) 	<ul style="list-style-type: none"> * Complete Nearpod Code: MYDBU 	<ul style="list-style-type: none"> *ST Math (30 min.) * Flashcards and 36's
SCIENCE	<ul style="list-style-type: none"> Watch video: See link below Read <i>A Bundle of Energy</i> * Complete page 14 in Force and Motion 	<ul style="list-style-type: none"> Lesson 5 Force and Motion slides. Complete pages 15-16 and 18 	<ul style="list-style-type: none"> * Simple Machines packet Pulley and Screw pages (40 minutes) 	<ul style="list-style-type: none"> * Lever and Inclined Plane pages in Simple Machines Packet 	<ul style="list-style-type: none"> * Wheel and Axle and Wedge pages in Simple Machines Packet
ENRICHMENT	<ul style="list-style-type: none"> ST Math Flashcards and 36's Silent Reading 	<ul style="list-style-type: none"> Page 17 Force and Motion Packet ST Math Silent Reading 	<ul style="list-style-type: none"> Silent Reading Flashcards and 36's 	<ul style="list-style-type: none"> ST Math Flashcards and 36's Silent Reading 	<ul style="list-style-type: none"> Everything Visual from Kids Discover Magnet and Wind Energy Activities

Mrs. Macaulay's Lesson Plans for Monday, April 20

Reading:

- Read the assigned pages for your book club.
- Create account in Kids Discover (see instructions below)
- Complete the **Before Reading** column on the *Get Set to Read page*.
- Read through the articles that are assigned

Math:

- Complete the Nearpod with code: **STZMK**
- Complete 7.4 School Home connection. Send me a picture of your completed work.

Science:

- Click on this link to watch a video about kinetic energy.
<https://media.davis.k12.ut.us/SAFARI/montage/play.php?keyindex=166482&location=local&filetypeid=81&xc=1>
- Read the article *A Bundle of Energy* that is in your folder.
- Complete page 14 in your Force and Motion packet and send me a picture.

Enrichment: These activities are not required

- ST Math
- Flashcards and 36's
- Silent Reading

Mrs. Macaulay's Lesson Plans for Tuesday, April 21

Reading:

- Work on your book club assignments for the week (20 minutes)
- Log into Kids Discover from Clever. Reread the first 4 articles and complete the first page of *It's in the Reading*. Take a picture of your completed work and send it to me.

Math:

- Complete the Nearpod with code: **YSOLD**
- Complete 7.5 School-Home Connection and send me a picture of your completed work.

Science:

- Watch the Power Point slide show for lesson 5.
- Complete pages 15-16 in your Force and Motion packet. Complete page 18. Send me a picture of your completed work.

Enrichment:

- ST Math
- Flashcards and 36's
- Silent Reading
- Page 17 Force and Motion Packet

Mrs. Macaulay's Lesson Plans for Wednesday, April 22

Reading:

- Work on your book club assignments for the week (20 minutes)
- Zoom conference at 11:30 am Guess the Covered Word – you will need a small white board or a pencil and paper to write the words.

Math:

- ST Math for 30 minutes
- Flashcards and 36's for 10 minutes

Science:

- Click this link to help you complete the first two pages in your Simple Machines booklet. https://livedsdmail-my.sharepoint.com/:p:/g/personal/smacaulay_dsdmail_net/ER9YCcyYbhZFuX9OSDy5l6MBWBpv_bdyeXUoCbnPPvrAZQ?e=8f5AZY
- On the 3rd page click on the red words, Mechanical Energy. This will take you to a page with Simple Machines. Please click on the Pulley picture and complete the page in your Simple Machines packet. This packet is in your folder.
- Complete the Screw page in the packet.

Enrichment:

- Silent Reading
- Flashcards and 36's

Mrs. Macaulay's Lesson Plans for Thursday, April 23

Reading:

- Work on your book club assignments for the week (20 minutes)
- Log into Kids Discover from Clever. Reread the last 3 articles and complete the second page of *It's in the Reading*. Take a picture of your completed work and send it to me.

Math:

- Complete the Nearpod with code: **MYDBU**

Science:

- Complete the lever and inclined plane pages in your Simple Machines packet. Watch the slide show and go to slide three and click on the Mechanical Energy words then click on lever. Complete the lever page in your packet and then click on the inclined plane and complete the page. When you finish both pages send me a picture of your work. . https://livedsdmail-my.sharepoint.com/:p:/g/personal/smacaulay_dsdmail_net/ER9YCcyYbhZFuX9OSDy5l6MBWBpv_bdyeXUoCbnPPvrAZQ?e=8f5AZY

Enrichment:

- ST Math
- Flashcards and 36's
- Silent Reading

Mrs. Macaulay's Lesson Plans for Friday, April 24

Reading:

- Work on your book club assignments for the week (20 minutes)
- Join the Zoom Conference and be ready to share your book club work.

Math:

- ST Math for 30 minutes
- Flashcards and 36's for 10 minutes

Science:

- Complete the Wheel and Axle and Wedge pages in your Simple Machines packet. Watch the slide show and go to slide three and click on the Mechanical Energy words then click on Wheel. Complete the Wheel page in your packet and then click on the Wedge and complete the page. When you finish both pages send me a picture of your work. . https://livedsdmail-my.sharepoint.com/:p:/g/personal/smacaulay_dsdmail_net/ER9YCcyYbhZFuX9OSDy5l6MBWBpv_bdyeXUoCbnPPvrAZQ?e=8f5AZY

Enrichment:

- Silent Reading
- Everything Visual from Kids Discover
- Magnet and Wind Energy Activities

This week in language arts you will be reading from Kids Discover about energy. You need to go to Clever and click on the Discover Kids Online icon. You will need to create an account and put in our classroom code. Here is the link to get you there: <https://online.kidsdiscover.com/signup/student?cc=FD799E>

The classroom code is: **FD799E**

Once you are in the program click on **classrooms**, then click on **Mrs. Macaulay's CLASSROOM**. You will then see the articles that you will be reading this week. Below are the assignments you need to complete. Please print the assignments and complete the pages and then send me a picture. If printing is an issue, please write the number of the question and the answer on a piece of paper and send me a picture.



Name _____ Date _____

Get Set to Read

We use energy all day everyday. What do you really know about energy? In **Before Reading**, write *true* if you think the statement is true. Write *false* if you think the statement is not true. Then read **KIDS DISCOVER Energy**. Check back to find out if you were correct. Write the correct answer and the page number where you found it.

CHALLENGE: Rewrite each false sentence in a way that makes it true.

Before Reading		After Reading	Page Number
_____	1. Most of the energy we use on Earth comes from water.	_____	_____
_____	2. Wind energy is no longer used to get work done.	_____	_____
_____	3. More than 150,000 people were killed by the atomic energy released by the two atom bombs that were dropped in Japan during World War II.	_____	_____
_____	4. "White" light is actually composed of light of many colors.	_____	_____
_____	5. Green plants take in oxygen and water, use them to produce food, and give off carbon dioxide.	_____	_____
_____	6. The Egyptian pyramids were made without the use of tools.	_____	_____
_____	7. A magnetic levitation train travels on a cushion of air, cutting down on friction and enabling it to go faster while using less energy.	_____	_____
_____	8. Solar cars cannot go very far, but they can go very fast.	_____	_____

It's in the Reading

After reading **KIDS DISCOVER Energy**, choose the best answer for each question.
Fill in the circle.



Find your answers on the pages shown in the book icon next to each question.

1. The energy that an object has while moving is called _____ energy.

- A. kinetic
- B. reserved
- C. potential
- D. natural



. What is Energy?

2. Wind-powered clipper ships were the fastest sailing ships until the development of _____.

- A. windmills
- B. steam engines
- C. paddleboats
- D. commercial oil drilling



. Water, Wind, and Other Sources of Energy.

3. In nuclear fission, energy is produced by _____.

- A. combining two atoms
- B. removing atoms from a molecule
- C. putting energetic atoms in water
- D. splitting an atom



. Nuclear, Solar, and Geothermal Energy

4. The main idea of this section is that _____.

- A. fossil fuels are the best source of energy
- B. bioenergy is the cheapest alternative to fossil fuels
- C. nuclear power is not safe
- D. there are lots of possibilities for alternative energy sources



. Nuclear, Solar, and Geothermal Energy

5. The human eye can detect _____.

- A. X-rays
- B. infrared light
- C. the visible spectrum
- D. all of the above



. Light and Heat Energy



It's in the Reading (continued)

6. Hot water molecules differ from cold water molecules in that they _____.

- A. move faster
- B. move slower
- C. have more mass
- D. have more potential energy



. Light and Heat Energy

7. Geysers often gush at regular intervals because _____.

- A. parks have learned to regulate the steam to have the geysers go off at set times
- B. the steam contracts and expands as temperatures deep in the Earth fluctuate
- C. it takes a certain, constant amount of time for the steam to build enough to force the water out
- D. the rocks that heat the water have to become hot again first



. Light and Heat Energy

8. The small organs that hold chlorophyll in plant cells are called _____.

- A. palisade cells
- B. chloroplasts
- C. vacuoles
- D. capillaries



. Energy from Plants to People

9. A _____ is an example of a simple machine.

- A. bicycle
- B. toaster
- C. piano
- D. lever



. Machines: Simple and Complex

10. Burning garbage and tires to produce electricity, building sun-powered or battery-powered cars, and developing more useful bicycles are all examples of _____.

- A. ways people are working to conserve energy
- B. winning science fair projects
- C. poor uses of resources
- D. ways people are polluting the environment



. Ways to Conserve Energy

11. Which energy innovation holds the most promise for meeting our energy needs? Use information from the reading to support your answer.



Name _____ Date _____

Everything Visual

Diagrams combine words and pictures to help us better understand the topic. Study the diagrams on pages 6–7 and 12–13. Then answer the questions.

. Nuclear, Solar, and Geothermal Energy

1. Explain the difference between fission and fusion, using the diagram on pages 6–7.

2. The diagram shows a uranium atom being used in the fission process and hydrogen atoms being used in the fusion process. Based on the diagram, which element is heavier—uranium or hydrogen? How can you tell?

3. Do you think the pictures in this diagram are accurate representations of atoms? Why or why not?

4. The diagrams on pages 12–13 have insets that enlarge parts of the diagrams. Use the diagram on page 12. Describe the location of palisade cells. What purpose do you think they serve?

. Energy from Plants to People

5. Describe the insets on the diagram on page 13. What do they show? How are they useful?

. Energy from Plants to People

6. How are the diagram of the plant and the diagram of the human digestive system related?

Friday's Experiments:

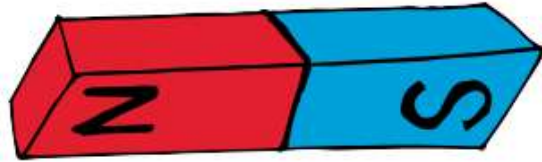
OPPOSITES ATTRACT... WHERE'S THE SCIENCE?

MAGNETS

Using the magnets on the table, experiment with magnetic energy. Firstly try putting the magnets together - now switch ends - does it work? What forces are acting on the magnets.

Try putting a metal paper clip on a piece of paper. Now put a magnet underneath the paper and see if you can move the paper clip.

Try putting a magnet on top of the table and put a magnet underneath the table. Can you move the magnet on top with the magnet underneath? What is happening?



TYPES OF ENERGY

WIND ENERGY

Make your own windmill. Cut around the outside of the square. Cut along the diagonal dotted lines making sure you stop at the grey square. Pull each corner into the middle and push a push pin through all four corners, then connect to a straw. Now you have your very own Windmill.

See if you can get it to spin. What will make it spin faster? What will make it spin slower? Is collecting energy from the wind a good idea?



How to make a Windmill

Cut out around the outside of the square.

Cut along the diagonal dotted lines and stop at the grey square.

Pull all 4 corners into the centre so they are slightly overlapping to create the windmill.

Use a push pin to push through the corners and the middle of the square.

Connect it to a straw.

Make sure it is nice and loose so the windmill will work!

