

Brandon Valley School District
District Learning Plan
April 6-10, 2020

Grade 4 Social Studies/Science



Brandon Valley School District Distance Learning Plan

LESSON/UNIT: Map Skills/Science Review

SUBJECT/GRADE: Science-SS/4th

DATES: April 6 - 10



What do students need to do? Link to BV instructional video for week of April 6-10, 2020	<p>Monday (4/6): Read the informational passage Charge It!</p> <p>Tuesday (4/7): Complete questions 1-5 on North American Map</p> <p>Wednesday (4/8): Reread the informational passage and complete the questions</p> <p>Thursday (4/9): Complete questions 6-10 on North American Map</p> <p>Friday (4/10): No School</p>
What do students need to bring back to school?	<ul style="list-style-type: none"> • Science Information passage charge it with completed questions • North American map completed
What standards do the lessons cover?	4-PS3-2 Make observations to provide evidence for how energy can be transferred from place to place by sound, light, heat, and electric currents.
What materials do students need? What extra resources can students use?	Need: Charge It informational passage and North American Map worksheet Extra: · Switch Zoo: Watch, listen, and play games to learn all about amazing animals https://www.switchzoo.com/ · Nat. Geo. for Kids: Learn all about geography and fascinating animals! https://kids.nationalgeographic.com/ · Mystery Doug: Science experiments and explorations to complete at home! https://mysteryscience.com/school-closure-planning
What can students do if they finish early?	Complete an at home science experiment (with parent permission and supervision) - https://www.businessinsider.com/8-awesomely-simple-science-experiments-you-can-do-at-home-2016-7 http://www.sciencefun.org/kidszone/experiments/
Who can we contact if we have questions?	<p>Brandon Elementary</p> <p>Building Principal: Mr. Horst- merle.horst@k12.sd.us</p> <p>Teachers: Mr. Giles- Scott.Giles@k12.sd.us Mr. Krivarchka- Joe.Krivarchka@k12.sd.us Ms. Lane- Katee.Lane@k12.sd.us Mr. Rogers- Marshall.Rogers@k12.sd.us</p>

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Fred Assam Elementary

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Robert Bennis Elementary

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Valley Springs Elementary

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Notes:

Instructional materials are posted below (if applicable)

Brandon Valley School District



Charge It!

Cross-Curricular Focus: Physical Science

Many people do not really understand how electricity works. They just know that when they need power to run an appliance, they have to plug it into the wall.

Energy comes from charged particles that are moving around. Have you ever rubbed a balloon against your clothes to make it stick? Have you held a balloon or a comb over someone's head to watch his hair stand up straight? That's static electricity and electrically charged particles. But these particles don't do much unless we control their energy.

Static electricity builds up on certain materials. Other materials, though, let electrical charges flow through them. This creates an electric current. Electric current travels very easily through metals like copper, gold, silver, and aluminum. We call materials that electric current flows through easily **conductors**. Water is also a good conductor of electricity. That's why electrical charges can travel through people, too. There is water in every cell of a person's body. Electric current can travel through these cells.

Since metal is a good conductor of electricity, electrical wires are often made out of metal. Wiring can also be made out of non-metal materials, such as graphite.

Conductors have to be enclosed in a material that is an **insulator**. Insulators do not allow electric current to pass through them. The rubber coating that you see on electrical cords covers the metal. The electric current stays inside the cord so we can direct the current to the appliance that needs power. Other good insulators are glass and some plastics.

Name: _____

Answer the following questions based on the reading passage. Don't forget to go back to the passage whenever necessary to find or confirm your answers.

1) What are two materials that are good conductors of electricity?

2) How is static electricity different from electric current?

3) What could happen if the rubber coating on a power cord is damaged?

4) Is water a conductor or an insulator?

5) In your own words, explain the difference between a conductor and an insulator.

North America

Name _____

Date _____



Directions: Label the following. Include symbols and use a number key when space is limited.

1. Label 15 countries and outline in different colors
2. Label 15 large cities
3. Label your school and Washington, D.C.
4. Mississippi River, Yukon River, Rio Grande River
5. Atlantic Ocean, Pacific Ocean, Arctic Ocean
6. Hudson Bay, Caribbean Sea, Gulf of Mexico
7. Rocky Mountains, Mojave Desert
8. Tropic of Cancer, magnetic North Pole
9. Great Bear Lake, Great Lakes (Hint: HOMES)
10. Panama Canal

KEY

- Capital ★
- City ●
- Mountains 
- River 
- Desert 
- Forest 
- Lake 
- Marsh 

Fast Facts: North America is comprised of 23 nations and over 580 million people. The major languages are English, Spanish, and French. Mexico City