Brandon Valley School District

District Learning Plan

March 23-27, 2020

Grade 4 Social Studies/Science

Brandon Valley School District Distance Learning Plan

LESSON/UNIT: Review skills **SUBJECT/GRADE: Science and Social Studies/4th** **DATES: March 23-27, 2020**

What do students need to do? **Link to BV instructional video for week of March 23-27, 2020**	Monday (3/23): Science- Complete the Feel the vibrations worksheet Tuesday (3/24): Social Studies- Complete Continents and Oceans worksheets Wednesday (3/25): Science- Complete the Good vibrations worksheet Thursday (3/26): Social Studies-Complete SD Organizer Friday (3/27): NONE
What do students need to bring back to school?	Worksheets from each day Monday through Thursday
What standards do the lessons cover?	4.G.2 Students will understand the nature and importance of the Five Themes of Geography: location, place characteristics, human-environment interaction, movement, and region. 4.G.2.1 Compare and contrast regions of South Dakota to one another 4-PS4-1 Develop a model of waves to describe patterns in terms of amplitude and wavelength and to provide evidence that waves can cause objects to move.
What materials do students need? What extra resources can students use?	Lesson and actvities for sound - https://study.com/academy/topic/4th-grade-science-waves-sound.html
What can students do if they finish early?	· 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
Who can we contact if we have questions?	**Brandon Elementary** **Building Principal:** Mr. Horst- merle.horst@k12.sd.us **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 Mr. Schultz- Benjamin.Schultz@k12.sd.us **Fred Assam Elementary** **Building Principal:** Ms. Foster- susan.foster@k12.sd.us **Teachers:** Ms. Harte- Sarah.Harte@k12.sd.us

	Ms. Scholten- Tara.Scholten@k12.sd.us Mr. Steemken- Evan.Steemken@k12.sd.us Ms. Sunne- Noel.Sunne@k12.sd.us **Robert Bennis Elementary** **Building Principal:** Ms. Hofkamp- Kristin.Hofkamp@k12.sd.us **Teachers:** Mr. Linneweber- Cody.Linneweber@k12.sd.us Ms. Pudwill- Andrea.Pudwill@k12.sd.us Ms. Storm- Jena.Storm@k12.sd.us Mr. Sylliaasen- Tim.Sylliaasen@k12.sd.us **Valley Springs Elementary** **Building Principal:** Ms. Palmer- tanya.palmer@k12.sd.us **Teacher:** Ms. Abens- lindsey.abens@k12.sd.us long-term sub for laura.lueders@k12.sd.us
Notes:	

Instructional materials are posted below (if applicable)

Brandon Valley School District

Feel the vibrations!

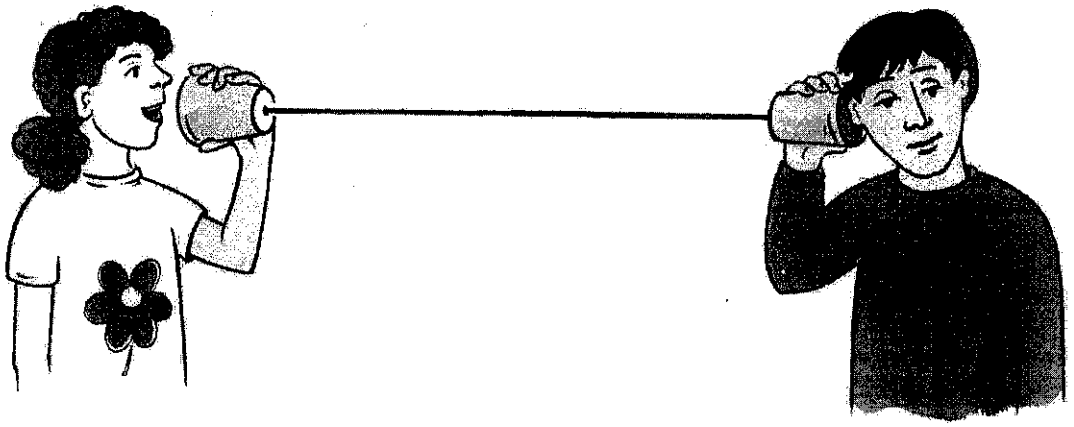
Background knowledge

When a person sings, the vocal cords in the throat make the air vibrate (move back and forth). These vibrations travel through the air to your ears. You hear the vibrating air as sounds. Try feeling the vibrations in your throat when you sing. *Sound* is a type of energy that always travels as vibrations.

Science activity

Here are two children using a string walkie-talkie. The sentences below explain how the boy can hear the girl speak, but they are not in the correct order. Write the numbers 1–5 in the boxes to show what the correct order should be.

- ☐ The string vibrates.
- ☐ The vibrations are heard by the ear.
- ☐ The girl's vocal cords vibrate.
- ☐ The air vibrates in the girl's container.
- ☐ The air vibrates in the boy's container.



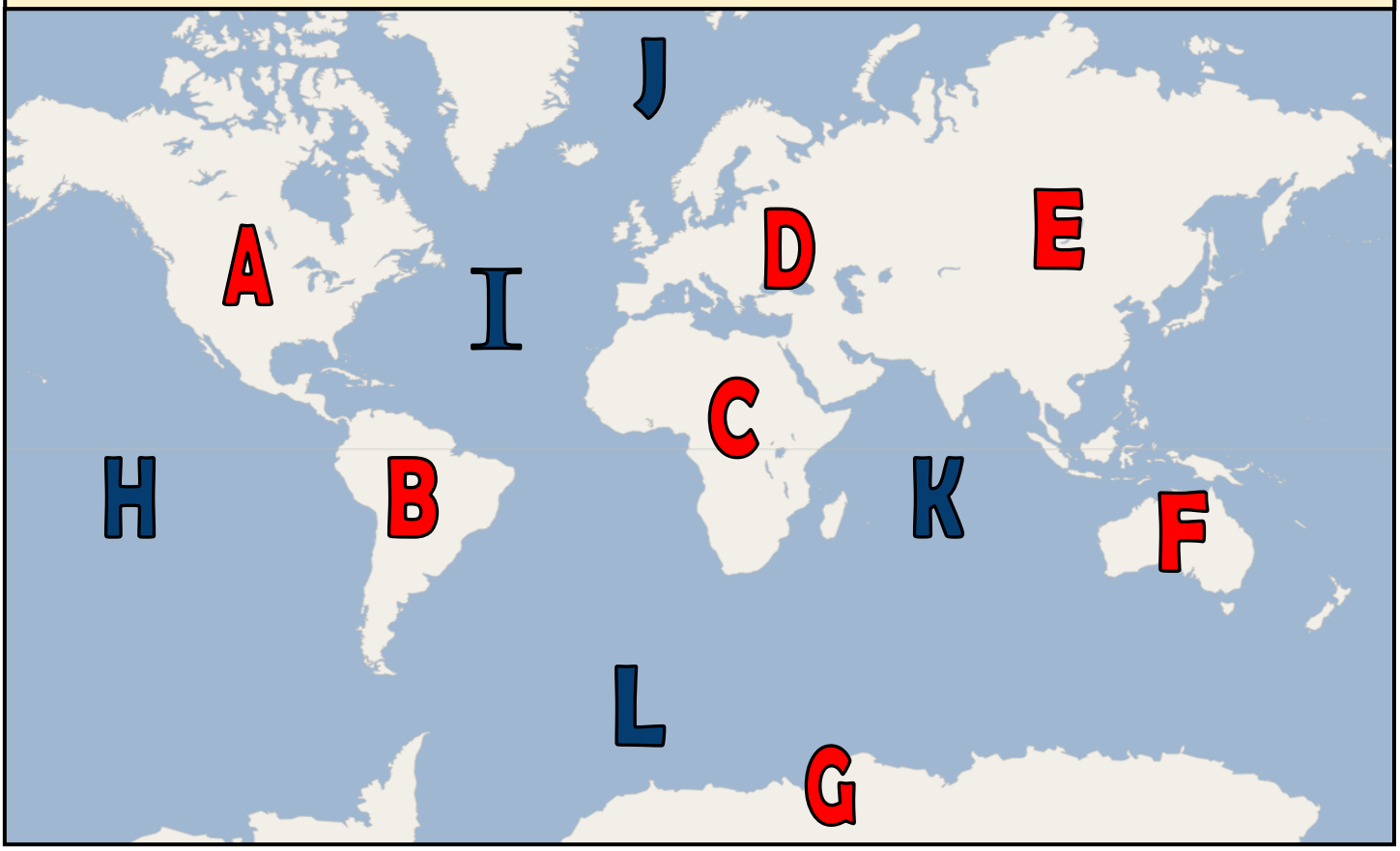
Science investigation

Take extra care - ask an adult to supervise you.

Make your own walkie–talkie with two plastic cups or soup cans and some string or wire. Ask an adult to punch a hole in the cup or can. Pull the wire or string through the holes and then wrap the ends around small paper clips so they cannot slip back. Design and conduct an experiment to see if a person can hear you through the cup or can. Explain how the sound travels.

Name: _____

Continents & Oceans



Continents

A. _____
B. _____
C. _____
D. _____
E. _____
F. _____
G. _____

Oceans

H. _____
I. _____
J. _____
K. _____
L. _____

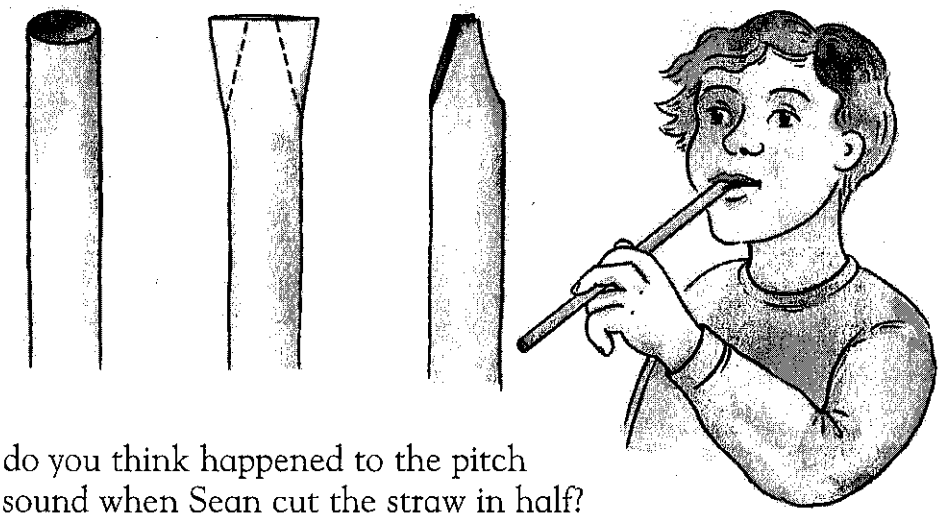
Good vibrations

Background knowledge

When you blow over the neck of a bottle, the air inside vibrates and makes a sound. The more air there is in the bottle, the slower it vibrates and the lower the pitch of the sound. Adding water to the bottle reduces the amount of air and raises the pitch. The pitch is also higher if you use a smaller bottle, which holds less air. All wind instruments work by making the air inside of them vibrate.

Science activity

Sean made a wind instrument from a drinking straw. He flattened one end of the straw and cut both sides so that it formed a V-shape. When he blew into the cut end of the straw, it vibrated. The vibrations caused the air inside the straw to vibrate and make a sound.



What do you think happened to the pitch of the sound when Sean cut the straw in half?

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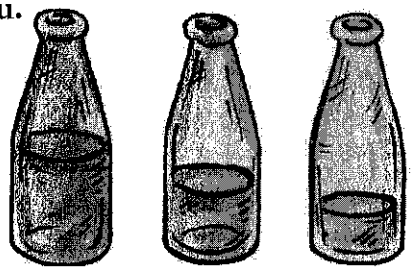
Science investigation

Take extra care - ask an adult to supervise you.

Design and conduct an experiment to see if you can play a tune on bottles filled with water. Add a different amount of water to a number of identical bottles. Each bottle should make a sound of a different pitch when you blow over the neck. Adjust the water levels in the bottles until you get sounds you like. If you have any respiratory problem, ask for help from an adult.



South Dakota Information Organizer

1. Shade where this State is located.	2. Draw the State flag.
	

3. Capital City	4. Population	5. State Nickname	6. Date of Statehood

7. State Bird	8. State Flower	9. Major Industries

10. Largest Cities	11. Governor	12. Bordering States

Describe the climate: _____

_____

_____

This State was/is home to: _____

_____