

Brandon Valley School District
District Learning Plan
April 13-17, 2020

Grade 4 Social Studies/Science



Brandon Valley School District Distance Learning Plan

LESSON/UNIT: Energy/South Dakota History

SUBJECT/GRADE: Science/SS-4th

DATES: April 13-17

<p>What do students need to do?</p> <p><u>Link to BV instructional video for week of April 13 -17, 2020</u></p>	<p>Monday: (4/13) - No School</p> <p>Tuesday: (4/14) Social Studies - Complete the What's in a Name learning activity</p> <p>Wednesday: (4/15) Science - Complete the Potential or Kinetic Energy learning activity</p> <p>Thursday: (4/16) Social Studies - Complete the Hay or Straw learning activity</p> <p>Friday: (4/17) Science - Complete the Energy worksheet</p>
<p>What do students need to bring back to school?</p>	<ol style="list-style-type: none"> 1. What's in a Name worksheet 2. Potential or Kinetic Energy worksheet
<p>What standards do the lessons cover?</p>	<p>4-PS3-1 Use evidence to construct an explanation relating the speed of an object to the energy of that object.</p> <p>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.</p> <p>4.H.1 Students will analyze how major events are chronologically connected and evaluate their impact on one another</p> <p>4.H.2 Students will analyze and evaluate the impact of people, events, ideas and symbols upon history using multiple sources.</p> <p>4.H.3 Students will analyze and evaluate historical events from multiple perspectives.</p>
<p>What materials do students need? What extra resources can students use?</p>	<p>Need:</p> <ul style="list-style-type: none"> • What's in a Name worksheet • Potential or Kinetic energy worksheet • Hay or Straw worksheet • Energy worksheet • pencil <p>Extra:</p> <p>Potential or Kinetic Energy</p> <p>https://www.youtube.com/watch?v=IqV5L66EP2E</p> <p>https://www.youtube.com/watch?v=quxEz2qxo9s</p> <p>https://www.ducksters.com/science/physics/kinetic_energy.php</p>
<p>What can students do if they finish early?</p>	<ul style="list-style-type: none"> • Practice states using online games-https://online.seterra.com/en/vgp/3003 • Label the states on a blank map • https://sd4history.sd.gov/index.htm-research more facts about SD history • Do a kinetic or potential energy experiment (with parent/guardian permission/supervision) • Watch roller coaster rides online

<p>Who can we contact if we have questions?</p>	<p>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 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</p>
<p>Notes:</p>	

Instructional materials are posted below (if applicable)

Brandon Valley School District

What's in a Name?

Name: _____

South Dakota has many beautiful state parks for us to enjoy. These parks are named after people and places from history and bodies of water. Use the clues to discover the park names. Use the list of state parks at the bottom of the page as a resource.

1. Opposite of east / Curve: _____
2. Ghost / Hill: _____
3. Green vegetable / Stream: _____
4. Body organ + car / Sandy ground: _____
5. Large rock / Surrounded land: _____
6. Beef / Stream: _____
7. Hissing animal / Stream: _____
8. Body of water / Unseen tree: _____
9. Fish eating bird / Body of water: _____
10. Not in the sun + Mound: _____
11. Flower blooming season / Stream: _____
12. Opposite of old + 2,000 pounds / Mounds: _____



South Dakota State Parks

Adams Homestead
Angostura
Bear Butte
Beaver Creek
Big Sioux
Big Stone Island
Burke Lake
Buryanek
Chief White Crane
Cow Creek
Custer
Farm Island
Fisher Grove
Fort Sisseton
Hartford Beach

Indian Creek
LaFramboise Island
Lake Alvin
Lake Cochrane
Lake Herman
Lake Hiddenwood
Lake Louise
Lake Poinsett
Lake Thompson
Lake Vermillion
Lewis and Clark
Little Moreau
Llewellyn Johns
George S. Mickelson
Mina Lake

Newton Hills
North Point
North Wheeler
Oakwood Lake
Oahe Downstream
Palisades
Pease Creek
Pelican Lake
Pickerel Lake
Pierson Ranch
Platte Creek
Randall Creek
Revheim Bay
Richmond Lake
Rocky Point

Roughlock Falls
Roy Lake
Sandy Shore
Shadehill
Sica Hollow
Snake Creek
Spirit Mound
Spring Creek
Springfield
Swan Creek
Union Grove
Walker's Point
West Bend
West Whitlock

Name: _____

Potential or Kinetic?

Potential Energy is stored energy and is waiting to work.

Kinetic Energy is energy that is working.



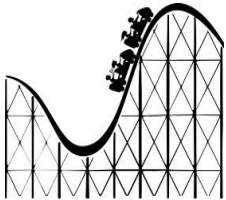
The apple in the tree is _____ energy.

The apple falling from the tree is _____ energy.



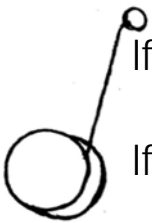
If the rubber band is still it is _____ energy.

If the rubber band is stretched it is _____ energy.



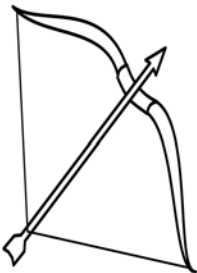
If the roller coaster is still, it is _____ energy.

If it is moving, it is _____ energy.



If the yoyo is still at the top, it is _____ energy.

If the yoyo is moving, it is _____ energy.



If the bow string is still it is _____ energy.

If the bow string is pulled it is _____ energy.

Hay or Straw?

SD Grasses, Wildflowers & Crops

Alfalfa

Alfalfa is a member of the pea family. Its leaves are compound, each consisting of three leaflets and clusters of small purple flowers. South Dakota farmers harvest it as hay.



1. ☐ Grass ☐ Wildflower ☐ Crop
2. ☐ Hay ☐ Straw ☐ Neither

Hay or Straw?

SD Grasses, Wildflowers & Crops

Buffalo Grass

Buffalo grass has short, curly leaves that look like a buffalo's hair. It grows in mats that rarely reach higher than five inches tall.



1. ☐ Grass ☐ Wildflower ☐ Crop
2. ☐ Hay ☐ Straw ☐ Neither

Hay or Straw?

SD Grasses, Wildflowers & Crops

Corn

This tall plant often reaches seven feet and bears kernels on large ears. It's generally grown east of the Missouri River.



1. ☐ Grass ☐ Wildflower ☐ Crop
2. ☐ Hay ☐ Straw ☐ Neither

Hay or Straw?

SD Grasses, Wildflowers & Crops

Big Bluestem

Big Bluestem, which varies in color from steel-blue to bronze in the summer, commonly grows six feet tall. The seed beads appear in July or August with three connected branches, forming a distinctive 'turkey foot' pattern.



1. ☐ Grass ☐ Wildflower ☐ Crop
2. ☐ Hay ☐ Straw ☐ Neither

Hay or Straw?

SD Grasses, Wildflowers & Crops

Flaxseed

Flaxseeds contain linseed oil, an extract used in paints and varnishes. Flaxseeds are made into livestock meal. Flax plants have small blue or white flowers. South Dakota is the nation's third largest producer of flaxseed.



- | | | | |
|----|--------------------------------|-------------------------------------|----------------------------------|
| 1. | <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. | <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Neither |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Green Needle Grass

Green needle grass turns from green to gray-green to pale yellow. They have slender stems and narrow, rolled leaves. Threadlike awns, about an inch long radiate out from seeds at the plant heads.



- | | | | |
|----|--------------------------------|-------------------------------------|----------------------------------|
| 1. | <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. | <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Neither |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Oats

South Dakota is first in the nation in production of oats, an important horse feed. The long stalk is slender and topped by thin branches that spread out from all sides of the stem. The tan-to-white oat grain grows at the end of these spikelets.



- | | | | |
|----|--------------------------------|-------------------------------------|----------------------------------|
| 1. | <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. | <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Neither |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Plains Prickly Pear

The prickly pear cactus has flat bristly stems. Its blossoms are large and waxy, usually yellow with a red center.



- | | | | |
|----|--------------------------------|-------------------------------------|----------------------------------|
| 1. | <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. | <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Neither |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Rye

Rye, another cereal grain, is primarily used for livestock feed. The rye plant has long slender seed clusters with long bristles.



- | | | |
|-----------------------------------|-------------------------------------|----------------------------------|
| 1. <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Neither |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Sego Lily

The sego lily dots hillsides and dry, open areas. This perennial's flowers are creamy white with a touch of magenta in the center.



- | | | |
|-----------------------------------|-------------------------------------|--------------------------------|
| 1. <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Straw |

Straw or Hay?

SD Grasses, Wildflowers & Crops

Small Soap weed (Yucca)

Plains Indians used the roots of this striking plant to make soap—the reason for the name— but it is more commonly called Yucca. A rigid stalk rises as high as four feet high from a rosette of sword-like leaves.



- | | | |
|-----------------------------------|-------------------------------------|----------------------------------|
| 1. <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Neither |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Soybeans

Soybeans are processed mostly for their oil. The left-over beans are used for livestock feed. Much of the plant is covered with fine brown or gray hair. Its flowers are white or purple.



- | | | |
|-----------------------------------|-------------------------------------|---------------------------------|
| 1. <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Neithr |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Sunflowers

South Dakota ranks first in the nation in the production of sunflower seeds.

Sunflowers grow on a rough stem and are easily recognized by their bright yellow petals and brown centers. They produce edible seeds that are rich in oil.



- | | | | |
|----|--------------------------------|-------------------------------------|----------------------------------|
| 1. | <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. | <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Neither |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Tufted Evening Primrose

The tufted evening primrose favors dry buttes and clay banks earning it the nickname Gumbo-lily. Its large white flowers turn pink and wilt in less than a day.



- | | | | |
|----|--------------------------------|-------------------------------------|----------------------------------|
| 1. | <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. | <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Neither |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Switchgrass

Switchgrass has a loose, many-seeded head called a panicle. Its blue color changes to a rusty tan in the fall. It grows two to five feet tall.



- | | | | |
|----|--------------------------------|-------------------------------------|----------------------------------|
| 1. | <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. | <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Neither |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Western Wheatgrass

Western wheatgrass, the state grass, has a blue, waxy appearance and is common throughout South Dakota. It has stiff, spiked-flower clusters at the top of a leafy stem.



- | | | | |
|----|--------------------------------|-------------------------------------|----------------------------------|
| 1. | <input type="checkbox"/> Grass | <input type="checkbox"/> Wildflower | <input type="checkbox"/> Crop |
| 2. | <input type="checkbox"/> Hay | <input type="checkbox"/> Straw | <input type="checkbox"/> Neither |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Wheat

Wheat is a major cash crop for South Dakota farmers who grow the spring, winter, and durum varieties. When young, it resembles grass; as it matures, its clusters of bearded kernels turn golden brown.



- | | | | | | | |
|----|--------------------------|-------|--------------------------|------------|--------------------------|---------|
| 1. | <input type="checkbox"/> | Grass | <input type="checkbox"/> | Wildflower | <input type="checkbox"/> | Crop |
| 2. | <input type="checkbox"/> | Hay | <input type="checkbox"/> | Straw | <input type="checkbox"/> | Neither |

Hay or Straw?

SD Grasses, Wildflowers & Crops

Select Your Answers. Is it a grass, a wildflower, or a crop? Can the plant be made into hay or straw?

Mark your answers in the box below each picture and description.

Hay is grass that has been cut and dried to be used as food for animals.

Straw is the dry stems of wheat and other grain plants.

Name: _____

Energy is Power

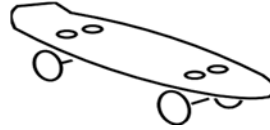
Energy is a force that makes things happen or move. List all the things you can think of that move. Beside each, indicate where the energy comes from. (*battery, electricity, sun, man*) The first two are done for you.

What Moves:

How:

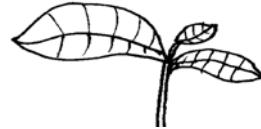
1. skateboard:

me



2. plant:

sun



3.

4.

5.

6.

7.

8.

9.

10.

11.

12.