

# Brandon Valley School District

## District Learning Plans

May 18-22, 2020

Last Week of School!

Grade 3

Monday



## Brandon Valley School District Distance Learning Plan

STEM DAY

GRADE: 3rd

DATE: Monday, May 18, 2020

What do students need to do?

[Link to BV STEM DAY instructional video for week of May 18-22, 2020](#)

### STEM Day

1. Listen to or ask someone to tell you the story of Humpty Dumpty.  
<https://www.youtube.com/watch?v=DIBmxZ5CSJM>
2. Think about what could have helped Humpty Dumpty when he fell off the wall. **What could he have that would have protected him from the fall?**
3. Students will create an egg drop contraption using any recyclable household materials. Start with an egg and **make sure to place it in a ziploc bag.** (If you don't have an egg, here are some alternative objects you may use; water balloon, marshmallow, glass ornament or light bulb-please make sure to have adult supervision and ask permission first.)
4. Use the **provided handout** to help plan your egg drop and reflect at the end.
5. Be creative when designing your contraption! **Please follow these guidelines:**
  - a. Egg must be in a ziploc bag before putting it in your contraption.
  - b. Students must use recyclable, household materials to create their egg drop contraption.
  - c. Students must be able to open their creation to check to see if their egg cracked.
6. Once you have created your egg drop creation, have a parent or adult help you test it out from multiple heights. Example: standing on the ground, standing on a chair, standing on a ladder, drop it off your deck or playset, etc. If your creation protects your egg, try to drop it from a higher place.

**Did your creation protect your egg from the test of gravity? Why? or Why not? Share your thoughts with a family member.**

What do students need to bring back to school?

- Students are not required to submit evidence of completion however, they may submit participation photos or short videos to their teachers. **Please feel free to record a video of your child's egg contraption and them testing it out. We would love to see what they came up with! Click on the following link or scan the QR code to record a video.**

<https://flipgrid.com/f503611e>



- Students should submit (to their respective teacher) any required 4th quarter distance learning assignments not previously turned in.

What standards do the lessons cover?	<p>3-PS2-1: Plan and carry out an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.</p> <p>3-PS2-2: Make observations and/or measurements of an object's motion to provide evidence for how a pattern can be used to predict future motion.</p>
What materials do students need? What extra resources can students use?	<p>Need:</p> <ul style="list-style-type: none"> <li>Students will need an egg (if an egg is not available students may instead use a water balloon, marshmallow, glass ornament, light bulb, or be creative and find something else that can be used)</li> <li>Household materials (recyclable) to create their egg drop contraption <ul style="list-style-type: none"> <li>Examples: kleenex boxes, bottles, cardboard, straws, plastic bags, cans, toilet paper/paper towel tubes, etc.</li> </ul> </li> </ul> <p>Extra:</p> <p>After the Fall (How Humpty Dumpty Got Back Up Again)  <a href="https://www.youtube.com/watch?v=dUKt1a6l3yw">https://www.youtube.com/watch?v=dUKt1a6l3yw</a></p> <p>Gravity: <a href="https://jr.brainpop.com/science/forces/gravity/">https://jr.brainpop.com/science/forces/gravity/</a></p>
What can students do if they finish early?	<p>Check out the following websites for more STEM activities:</p> <p><a href="https://thestemlaboratory.com/stem-activities-for-kids/">https://thestemlaboratory.com/stem-activities-for-kids/</a>  <a href="https://www.teachjunkie.com/sciences/stem-challenges/">https://www.teachjunkie.com/sciences/stem-challenges/</a></p>
Who can we contact if we have questions?	<p><b>Brandon Elementary</b>  <b>Building Principal:</b>  Mr. Horst- <a href="mailto:merle.horst@k12.sd.us">merle.horst@k12.sd.us</a>  <b>Teachers:</b>  Ms. Buum- <a href="mailto:Blossom.Buum@k12.sd.us">Blossom.Buum@k12.sd.us</a>  Ms. Flint- <a href="mailto:Jill.Flint@k12.sd.us">Jill.Flint@k12.sd.us</a>  Mr. Kramer- <a href="mailto:Brent.Kramer@k12.sd.us">Brent.Kramer@k12.sd.us</a>  Mr. Johnson- <a href="mailto:Andy.Johnson@k12.sd.us">Andy.Johnson@k12.sd.us</a>  <b>Robert Bennis Elementary</b>  <b>Building Principal:</b>  Ms. Hofkamp- <a href="mailto:Kristin.Hofkamp@k12.sd.us">Kristin.Hofkamp@k12.sd.us</a>  <b>Teachers:</b>  Mr. Bobzien- <a href="mailto:Adam.Bobzien@k12.sd.us">Adam.Bobzien@k12.sd.us</a>  Mr. Ganschow- <a href="mailto:Jeff.Ganschow@k12.sd.us">Jeff.Ganschow@k12.sd.us</a>  Ms. Pederson- <a href="mailto:Jill.Pederson@k12.sd.us">Jill.Pederson@k12.sd.us</a>  Ms. Rozier- <a href="mailto:danylle.rozier@k12.sd.us">danylle.rozier@k12.sd.us</a>  <b>Fred Assam Elementary</b>  <b>Building Principal:</b>  Ms. Foster- <a href="mailto:susan.foster@k12.sd.us">susan.foster@k12.sd.us</a>  <b>Teachers:</b>  Ms. Hunsaid- <a href="mailto:Jessica.Hunsaid@k12.sd.us">Jessica.Hunsaid@k12.sd.us</a>  Ms. Jones- <a href="mailto:Deb.Jones@k12.sd.us">Deb.Jones@k12.sd.us</a>  Ms. Kieffer- <a href="mailto:Michelle.Kieffer@k12.sd.us">Michelle.Kieffer@k12.sd.us</a>  Ms. Van Leur- <a href="mailto:Chelsea.Vanleur@k12.sd.us">Chelsea.Vanleur@k12.sd.us</a>  <b>Valley Springs Elementary</b>  <b>Building Principal:</b>  Ms. Palmer- <a href="mailto:tanya.palmer@k12.sd.us">tanya.palmer@k12.sd.us</a>  <b>Teacher:</b>  Ms. Kocer- <a href="mailto:Cassie.Kocer@k12.sd.us">Cassie.Kocer@k12.sd.us</a></p>

**Notes:** (OPTIONAL) **Super Hero Day** - Dress in honor of all the front-line workers and your parents and guardians who are rocking it as co-distance learning educators! **#BVlynxdistancelearners**

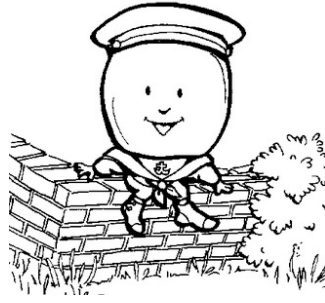
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***Instructional materials are posted below (if applicable)***

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*Brandon Valley School District*

# STEM Day- Egg Drop



Think about what could have helped Humpty Dumpty when he fell off the wall.

**What could use that would have protected him from the fall?** \_\_\_\_\_

You will create an egg drop contraption using any recyclable household materials.

**Draw and label your egg contraption first. What materials will you use?**

A large, empty rounded rectangular box with a thin black border, intended for a student to draw their egg drop contraption.

**Have a parent or adult help you test it out from multiple heights.**

Did your creation protect your egg from the test of gravity? \_\_\_\_\_

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If not, what could you do differently next time? What would you change? \_\_\_\_\_

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