

Steam Storytime Spring Session 2021

It is with pleasure that we—programmers Pam from Hespeler and Crystal from Preston—welcome you to this virtual session of Steam Storytime at Idea Exchange. We are excited to connect with you as we explore awesome STEAM stories, songs, and activities. Below is some information that will help you get the best experience from this program each week including suggested props, related activity materials, and links to more ideas to extend the themes and concepts covered throughout each week.

What is STEAM?

STEAM stands for science, technology, engineering, art, and math. If you would like more information on the concept of STEAM and ideas for including STEAM in your routine please have a look at the link below. On page 1 you will see the definition of STEAM and if you view pages 2-7 it gives some information about each letter in the word STEAM (science, technology, engineering, art, and math).

<https://eclkc.ohs.acf.hhs.gov/sites/default/files/pdf/steam-ipdf.pdf>

We'll also be learning about measurement throughout this session. Each week we choose an item to measure using a non-standard unit of measurement, for this session we will use unit blocks. You can use any blocks as long as they are all exactly the same size, so all cubes or all rectangular or all 4 bump Lego pieces for example. You can find the tracking sheet at the end of this document to print or pick up a sheet and paperclips from either Hespeler or Preston Idea Exchange branches.

| | Suggested Activity Materials | Item to Measure |
|---|---|---|
| Week One March 12, 2021 Pam | Hibernating Bear Craft https://www.gluedtomycraftsblog.com/2019/10/hibernating-bear-kid-craft.html | Item to Measure: Popsicle Stick |
| Week Two March 19, 2021 Crystal | Building Blocks: Any type will do, wooden, foam, plastic, rubber, even old granola boxes will work! | Item to Measure: A box |
| Week Three March 26, 2021 Pam | Fort Building: https://www.youtube.com/watch?v=C543hkmHR3o | Item to Measure: Something in your fort |
| Week Four April 2, 2021 Good Friday No program | | |

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| <p>Week Five April 9, 2021 Pam</p> | <p>Skittle Fun: https://www.youtube.com/watch?v=4FHbbc8v1Cs</p> | <p>Item to Measure: Measure 10 Skittles in a row</p> |
| <p>Week Six April 16,2021 Crystal</p> | <p>Earth Craft:</p> <ul style="list-style-type: none"> • round piece of paper • blue and green tissue or construction paper • scissors • glue <p>You can also use markers and stickers to decorate the earth if preferred</p> <p>Prop: A feather</p> | <p>Item to Measure: A (larger) rock</p> |
| <p>Week Seven April 23, 2021 Pam</p> | <p>Dino Measuring: https://montessorifromtheheart.com/2020/06/20/dinosaur-measure-sort-kids-activities/</p> | <p>Item to Measure: We have measured our dino's with a non-standard form of measurement, now measure them with a standard form of measurement (ruler).</p> |
| <p>Week Eight April 30, 2021 Crystal</p> | <p>Invention Creation:</p> <ul style="list-style-type: none"> • recycled materials (old boxes and containers; aluminum trays; • loose parts (pouch/water bottle caps; gems; paper cups/plates; clothes pegs; pipe cleaners; buttons; foil; etc.) • glue/tape <p>You can also use paper and paint/markers/crayons to design an invention on paper if preferred</p> <p>Prop: Something you can bang for example a drum, a pot and wooden spoon, or tapping sticks</p> | <p>Item to Measure: Your favourite tool (toy or real)</p> |

Let's Measure with Paperclips Tracking Sheet

| Week | Item you've chosen to measure (Draw a picture or write the word) | Number of Blocks | Shortest to Longest (to complete on the final week) |
|------|---|------------------|--|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |