

Fourth Grade Cluster 1

Additional Resources



Videos to share with parents and colleagues:

- This video shows how to sort data and then use the data to create a frequency table and bar graph. <https://www.youtube.com/watch?v=p4o0tkLvdGE>
- Fostering Growth Mindset article – This article explains the importance of promoting a growth mindset in children. There is a video at the end of the article. <https://www.mindsetworks.com/parents/growth-mindset-parenting>

Videos to share with students:

- Kid President's Guide to Being Awesome: <https://www.youtube.com/watch?v=9Jcl-5wln4>
- Song from the movie Zootopia – Have a discussion about how the lyrics reflect a growth mindset. <https://www.youtube.com/watch?v=PjaPYWmjBvc>
- Several videos that promote/explain growth mindset for kids can be found at this link: <https://ideas.classdojo.com/b/growth-mindset>
- UGA Football: Malcolm Mitchell Book Club: 2014 – This video is about a college football player who grew up playing sports but learned the importance of reading once he got older. <https://www.youtube.com/watch?v=l6qms26C08w>
- Creating a line plot video – This video is very basic and shows kids how to collect data and create a line plot using the data. https://www.mathplayground.com/videos/line_plots.mp4
- Bar graph video for kids – This animated scholastic video teaches kids about bar graphs. <http://studyjams.scholastic.com/studyjams/jams/math/data-analysis/bar-graphs.htm>

Literature connections:

- *The Girl Who Never Made Mistakes* by Mark Pett and Gary Rubinstein – This book is about a girl who learns that making mistakes is a part of the learning process. Hear it read aloud here: <https://www.youtube.com/watch?v=rIo5nwfjYSU>
- *Thanks for the Feedback, I Think* by Julia Cook – This book is about a boy who learns how to accept positive and negative feedback from others. Hear it read aloud here: https://www.youtube.com/watch?v=tjA8_HGdZ8
- *The Best Vacation Ever* by Stuart Murphy – This book would be great to use when launching a lesson on data collection. Hear it read aloud here: <https://www.youtube.com/watch?v=Ij0way5VuqM>

- *Stand Tall Molly Lou Melon* by Patty Lovell – This book is about a girl who is different, but is proud of who she is. Hear it read aloud here: <https://www.youtube.com/watch?v=HIEU5-ltaVg>

Manipulative options:

- Pop cubes/unifix cubes/square tiles – These manipulatives can be helpful for students to build a graph before putting it on paper.
- Graph paper – Graph paper can help students organize data and create graphs. Graph paper with larger units (centimeter or inch grid paper) can assist students with alignment, organization, and consistency as they create bars, scales, and Xs.

Online games for kids:

- Students organize data into categories. Students then use the data to create a bar graph.
<https://www.education.com/game/graphing-germs/>
- Data game – This game allows children to collect and organize data. Students then create a bar graph/frequency table/line plot and then answer questions about the data.
http://www.learnalberta.ca/content/me3us/flash/lessonlauncher.html?lesson=lessons/15/m3_15_00_x.swf

Additional resources:

- This website allows students to create a bar graph online using their own data. The graph can be printed.
https://nces.ed.gov/nceskids/graphing/classic/bar_pie_data.asp?ChartType=bar
- Growth mindset poster for kids (free download) - <https://www.teacherspayteachers.com/Product/Growth-Mindset-Poster-2019124>