

Animals and Mathematics

Grade level: First Grade

Curriculum Topic: Math

AR. Math.Content.1.MD.C.6 • Organize, represent, and interpret data with up to three categories, using tally tables, picture graphs and bar graphs

- Ask and answer questions about the total number represented, how many in each category, and how many more or less are in one category than in another

Tools: Using student's one to one devices (chromebooks or iPads) they will use the tool Create a Graph Classic by Kids' Zone

Projector and teacher computer

Synopsis: Students will get out their one to one devices and visit the online tool at the following link, <https://nces.ed.gov/nceskids/graphing/classic/bar.asp> they will choose bar graph. I will pull up the San Diego Zoo where you can observe animals in the zoo and their behavior. The class will vote to see which animal they want to observe. I will keep a tally on the board of the behaviors we are observing. For example, the students pick elephants so we will record when they, use their trunk to drink water, when they eat, and when a baby elephant plays with another elephant. After observing the elephants for an appropriate amount of time to get a good amount of information, the students will get on their one to one device and insert the data into a bar graph.