How to use this slide deck

- Hidden slides are teacher notes
- Speaker notes include details on data being used in that lesson

Dear Data

A Year-Long Data Collection and
Visualization Project!

Quarter 2

Week 10

Day 1: Exploring the Data

✗ **Task:** On the poster titled "Shoe Color", place a tally under the color of your MAIN shoe color.

✗ **Discussion:** Observe the data. What patterns do you see?

Day 2: Brainstorming Visualization

✗ **Group Discussion:** How can we visualize this data in a non -standard way?

✗ **Activity:** Begin creating a visualization with your group based on the discussed ideas.

Day 4: Finalizing Visualizations

✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.

✗ **Reflection:**

✗ What do you notice or wonder about the visualizations?

✗ What questions arise from viewing the data in different ways

Week 11

Day 1: Exploring the Data

- ✗ **Task:** Look at the lunch calendar for our school for this month.
- ✗ **Discussion:** What patterns do you see?

Day 2: Brainstorming Visualization

- ✗ **Group Discussion:** How can we visualize this data in a non -standard way?
- ✗ **Activity:** Begin creating a visualization with your group based on the discussed ideas.

Day 4: Finalizing Visualizations

- ✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

- ✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.
- ✗ **Reflection:**
  - ✗ What do you notice or wonder about the visualizations?
  - ✗ What questions arise from viewing the data in different ways

Week 12

Day 1: Exploring the Data

- **Task:** On the poster titled, "Our Pets" place a tally in the appropriate column. If you have multiple pets, place a tally for EACH pet. (Ex. I have 2 dogs, so I would place 2 tally marks under dog).
- **Discussion:** Observe the data. What patterns do you see?

Day 2: Brainstorming Visualization

- **Group Discussion:** How can we visualize this data in a non -standard way?
- **Activity:** Begin creating a visualization with your group based on the discussed ideas.

Day 4: Finalizing Visualizations

- **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

- **Activity:** Walk around the room and observe the different data visualizations created by your classmates.
- **Reflection:**
  - What do you notice or wonder about the visualizations?
  - What questions arise from viewing the data in different ways

Week 13

Day 1: Exploring the Data

✗ **Task:** Review the step data posted.

✗ **Discussion:** Observe the data. What patterns do you see?

Day 2: Brainstorming Visualization

✗ **Group Discussion:** How can we visualize this data in a non -standard way?

✗ **Activity:** Begin creating a visualization with your group based on the discussed ideas.

Day 4: Finalizing Visualizations

✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.

✗ **Reflection:**

✗ What do you notice or wonder about the visualizations?

✗ What questions arise from viewing the data in different ways

Week 14

Day 1: Exploring the Data

- ✗ **Task:** On the poster titled "Movie Genres" place a tally under your favorite movie genre. If necessary, look up your movie to find the genre.
- ✗ **Discussion:** Observe the data. What patterns do you see?

Day 2: Brainstorming Visualization

- ✗ **Group Discussion:** How can we visualize this data in a non -standard way?
- ✗ **Activity:** Begin creating a visualization with your group based on the discussed ideas.

Day 4: Finalizing Visualizations

- ✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

- ✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.
- ✗ **Reflection:**
  - ✗ What do you notice or wonder about the visualizations?
  - ✗ What questions arise from viewing the data in different ways

Week 15

Day 1: Exploring the Data

    ✗   **Task:** With your group, sort through the bag of trash on your table.

    ✗   **Discussion:** What data should you collect?

Day 2: Brainstorming Visualization

    ✗   **Group Discussion:** How can we visualize this data in a non -standard way?

    ✗   **Activity:** Begin creating a visualization with your group based on the discussed ideas.

Day 4: Finalizing Visualizations

    ✗   **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

    ✗   **Activity:** Walk around the room and observe the different data visualizations created by your classmates.

    ✗   **Reflection:**

        ✗   What do you notice or wonder about the visualizations?

        ✗   What questions arise from viewing the data in different ways

Week 16

Day 1: Exploring the Data

- ✗ **Task:** With your group, sort through the bag of trash on your table.
- ✗ **Discussion:** What data should you collect? (Try to collect data different from last week!)

Day 2: Brainstorming Visualization

- ✗ **Group Discussion:** How can we visualize this data in a non -standard way?
- ✗ **Activity:** Begin creating a visualization with your group based on the discussed ideas.

Day 4: Finalizing Visualizations

- ✗ **Activity:** Finish and polish your visualizations.

Day 5: Gallery Walk

- ✗ **Activity:** Walk around the room and observe the different data visualizations created by your classmates.
- ✗ **Reflection:**
    - ✗ What do you notice or wonder about the visualizations?
    - ✗ What questions arise from viewing the data in different ways

Week 17

Day 1: Exploring the Data

✗   **Task:** Find a quiet(ish) place on the playground/field. Make observations   - What do you observe?

✗   **Discussion:** While you were outside, what did you notice? What data could you collect outside?

Day 2: Brainstorming Visualization

✗   **Task:** Choose one of the ideas generated from the previous day. We will head outside and you will collect your data.

✗   **Activity:** Collect the data that you choose. How you collect it is up to you.

Day 4: Begin Visualizations

✗   **Activity:** Begin visualizing your data..

Day 5: Finish Visualizations

✗   **Activity:** Finish visualizing your data. Be ready to turn it in!

Week 18

Day 1: Exploring the Data

    ✗   **Task:** Choose a set of data you would like to collect either from your home or from the classroom. It is your job to make sure that you are capturing your data accurately.

    ✗   **Discussion:** Share with your group what data you will collect and how you will collect it.

Day 2: Brainstorming Visualization

    ✗   **Activity:** Begin collecting data and creating a visualization based on the data you chose..

Day 4: Continue Visualizations

    ✗   **Activity:** Finish collecting your data and work towards completing your data visualization.

Day 5: Finish Visualizations

    ✗   **Activity:** Complete your visualizations and be ready to turn them in!

Week 18

Day 1: Group presentations

    ✗   **Activity:** Present your data visualization to your group.

Day 2: Class Presentations

    ✗   **Activity:** A few students will be chosen to present their data to the class.

Day 3: Class Presentations

    ✗   **Activity:** A few students will be chosen to present their data to the class.