Organizing and Sharing Data

Organizing data into categories:
* Not wearing a solid shirt

Picture Graph
Types of Shirts

<table>
<thead>
<tr>
<th>Solid</th>
<th>Striped</th>
<th>Picture</th>
</tr>
</thead>
</table>

Line Plot
How many letters in your first name?

1 2 3 4 5 6 7 8

X = one student

Bar Graph
Types of Shirts

Number of students

Tally Chart
What type of shirt are you wearing?

Solid
Striped
Picture

Venn Diagram
Which do you prefer?

Reading and Math

Time Schedule
- Recess: 10:00 am
- PE: 10:15 am
- Lunch: 11:30 am

We will:
Mathematical Standards and Practices
- Understand and draw picture graphs, bar graphs and line plots.
- Explain the data we have collected and organized.
- Tell time to the quarter hour with precision.
Grade 2: Investigating with CSM

UNIT PLANNING TOOL

Draw a picture graph or a bar graph with up to 4 categories.

- Categorize data, make a bar graph with up to 4 categories.
- Solve put-together, take-apart, and compare problems.
- Tell and write time to the quarter hour.

Key Concepts:
- Sorting and classifying data
- Representing and describing data
- Carrying out a data investigation
- Telling time to the quarter hour

Organizing Data

Visual Models of Concepts / Graphs

Line Plot

How many letters in your first name? (Name: ___________

Minimum (lower-value)
Maximum (higher-value)
Range (maximum - minimum)
Mode (most (or average) all)

Time Schedule

Connections (Real World Applications):
- Lunch count
- Drinks for Thanksgiving dinner
- Emily tallying people's responses
- Knowing when its recess, lunch, etc...
- Sorting collections of cards
- Taking surveys to collect information

Language Functions/Structures
- What time is it?
- It is __________
- I am wearing a __________
- It is __________
- What is your favorite __________
- Most of the students chose __________
- More students are wearing __________

Vocabulary
- Mode
- Outlier
- Line plot
- Maximum
- Minimum

Category
- Data
- Survey
- Representation

Attribute
- Venn Diagram

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