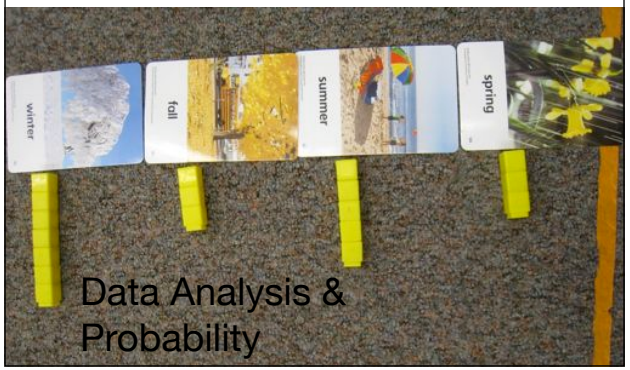
NCTM Strands



Data Analysis & Probability

NCTM Strands

- Number and Operations
- Algebra
- Geometry
- Measurement
- Data Analysis & Probability

NCTM Strands

Strand 5

- Number and Operations
- Algebra
- Geometry
- Measurement
- Data Analysis & Probability

Data Analysis & Probability

- Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them
- Select and use appropriate statistical methods to analyze data
- Develop and evaluate inferences and predictions that are based on data
- Understand and apply basic concepts of probability

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Data Analysis & Probability

1

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Data Analysis & Probability

1

Formulate questions

Pose questions and gather data about themselves and their surroundings.

- Relate it to students.

Graph their favorite _____(anything).

Data Analysis & Probability

1

Formulate questions

Sort and classify objects according to their attributes and organize data about the objects.

- Sort _____ by color.

sort toys, food.
What else?

Data Analysis & Probability

1

Formulate questions

Represent data using concrete objects, pictures, and graphs.

Before you make a graph of your favorite fish, make your fish. Then, make the graph with it.

Data Analysis & Probability

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Data Analysis & Probability 2

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Data Analysis & Probability 2

- Select & Use

Describe parts of the data and the set of data as a whole to determine what the data show.

What does it mean?
Give them context.

Compare it. You need perspective.

Part => Whole

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Data Analysis & Probability

3

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Data Analysis & Probability

3

- Develop & Evaluate

Discuss events related to students' experiences as likely or unlikely.

VS.

ex: Do you want M&M's or peas for snack?
Ask 10 kids. What will the next person want?
Blocks in a bag: 12 red, 2 blue.

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Data Analysis & Probability

4

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Data Analysis & Probability

4

Understand & Apply

8 rocks

1 stuffed animal

Will I grab rock or stuff animal?