

OE 19a - collect and organize data to solve problems and to communicate information

CU:

- we collect data to learn about and understand the world
- We pose questions to help us collect data

SE (Look Fors):
19.1

Say, Do, Represent

Initial

Say: Asking questions (e.g., “What is your favourite...?”)

Do: Tallying (surveying peers)

Represent: Check marks, tally charts, yes/no lists

Experiences

Noticing & naming data collection.

Modeled & Guided lessons/Read Alouds

Opportunities to practice asking

Eventual

Refining/asking deeper questions.

OE 19b - collect, organize and display data to solve problems and to communicate information

CU:

- We can represent data in different ways (graphs, charts, etc.)
- Our choice of tools is based on the features of the data we want to share to answer our question.

SE (Look Fors):

19.3 (asking/ answering q's)

19.1

Say, Do, Represent

Initial

Using tally charts/check marks to record data

Investigating different methods of collecting and displaying data

Experiences

Investigating different methods of displaying data

Pose questions to students around data collected

Eventual

Choosing most appropriate way to display data (people graphs, graphs using representational data, picture graphs)

OE 19c - interpret data to solve problems and to communicate information and explore the concept of probability in everyday context

CU:

- The tools we use help us see the patterns in the data collected
- We can make inferences and predictions and draw conclusions based on the patterns we see.

SE (Look Fors):

19.2 (interpret)

19.3 (asking/answering q's)

Say, Do, Represent

Initial

Recognizing more/less overall

Simple description/analysis

Recognizing patterns in data

Experiences

Sharing each others graphs to analyse data

Eventual

Identifying quantities and explaining thinking

Using appropriate terminology

More complex description of data (e.g., blue bar is twice as long as yellow bar)

Impact/implications based on data

Describing & naming the patterns