Fifth Grade
Math Learning Progression

Vocabulary: mean, median, mode, central tendency, distribution, data set, average, range , data, arithmetic, midpoint, tendency, T-table frequency, number set, outlier, sample set, statement

Demonstrate and define the meaning of statistical terms data, median, mode and range and explain how to collect data and write statements about data

Define, demonstrate and calculate the arithmetic mean of a given data set

Demonstrate and explain the differences of central tendency measures and associated terminology with a set of playing cards

Demonstrate and explain the categories of central tendency measures and associated terminology with various data sets

Make a hypothesis, collect data, evaluate the data, and create a poster report about what the data implies

5.5.B Determine and interpret the mean of a small data set of whole numbers. *CCSSM 6.SP.5.c*

"I can define/demonstrate the meaning of statistical terms data, median, mode and range and explain how to collect data and write statements about data."

Formative Assessments:
Raw number sets
T – tables
Sets of cards or dice

"I can define, demonstrate and calculate the arithmetic mean of a given data set."

Formative Assessments:
Raw number sets
T – tables
Sets of cards or dice

"I can demonstrate and explain the differences of central tendency measures and associated terminology with a set of playing cards."

Formative Assessments:
Median, Mode, and Mean playing cards Lesson
Various sets of dice

"I can demonstrate and explain the categories of central tendency measures and associated terminology with various data sets."

Formative Assessments:
MSP data
Sports data
Raw number sets
T – tables
Sets of cards or dice

"I can make a hypothesis, collect data, evaluate the data, and create a poster report about what the data implies."

Formative Assessments:
Presentation of collected data in a poster format.
PowerPoint presentation of hypothesis and supporting data.

Northwest Educational Service District 189
Together We Can

Math & Science Collaborative Inquiry Project