STATISTICS & PROBABILITY POWER STANDARDS P-7

Prep

Chance

Nil

Data Representation & Interpretation

- I can answer yes/no questions to collect data
- I can show data in a simple pictograph.
- I can use some chance vocabulary
- I can use simple tally marks

Year 1

Chance

- I can use language such as "will happen', won't happen", or "might happen".

Data Representation & Interpretation

- I can choose simple questions and gather answers
- I can show data with objects and drawings. One object =one data value.
- I can describe my displays

Year 2

Chance

- I can identify everyday events that involve chance.
- I can describe outcomes as "likely' or 'unlikely' and some events as 'certain' or 'uncertain'.

Data Representation & Interpretation

- I can identify a question of interest and
- collect, check and classify data.
- I can create displays using lists, table and picture graphs and read these.

Year 3

Chance

- I can conduct chance experiments, identify and describe possible outcomes.

Data Representation & Interpretation

- I can identify questions or issues for collection and plan methods of data collection and recording
- I can collect data, organise into categories and create displays using lists, tables, picture graphs and simple column graphs.
- I can interpret and compare data displays

Year 4

Chance

- I can identify and describe possible everyday events and order their chance of happening.
- I can identify events where the chance of one will not be affected by the occurrence of the other.

Data Representation & Interpretation

- I can select and trial methods of data collection, including survey questions and recording sheets.
- I can use digital technology to construct tables, column graphs and picture graphs with more than one data value.

Year 5

Chance

- I can list outcomes of chance experiments and represent probabilities of these outcomes using fractions.
- I can recognise that probabilities range from 0 to 1

Data Representation & Interpretation

- I can pose questions and collect categorical or numerical data by observation or survey
- I can construct and evaluate column graphs, dot plots and tables using digital technology.

Year 6

Chance

- I can describe probabilities using fractions, decimals and percentages.
- I can conduct chance experiments with small and large numbers of trials using digital technology.
- I can compare frequencies across experiments

Data Representation & Interpretation

- I can interpret and compare a range of graphs and data

Year 7

Chance

- I can conduct single step experiments with equally likely outcomes.
- I can assign probabilities to outcomes and determine probabilities of outcomes.

Data Representation & Interpretation

- I can construct many different graphs including stem and leaf plots and dot plots.
- I can calculate mean, median and mode and describe and interpret data and the relationship between the median and mean.