

YEAR 8 THRESHOLD CRITERIA

MATHS

| | Unit 1 | Unit 2 | Unit 3 |
|-------------------|--|---|---|
| | Introduction to Data | Linear Equations | Formulae |
| Excellent | Work out the mean and median from a frequency table Use comparisons to make decisions Identify outliers and decide when to ignore these Compare averages and range | Solving equations with denominators Solving equations with fractional coefficients | Rearrange non-linear formulae Rearranging formulae with factorisation Write formulae to represent real life contexts |
| Proficient | Construct and interpret dual and compound barcharts Construct and interpret pie charts Construct frequency polygons Construct and interpret grouped barcharts Work out the mode, including from a frequency table | Interpreting word problems into equations Equations with the unknown on both sides | Write expressions to represent real life contexts Substitute negative integers into linear formulae Substitute integers into non-linear formulae Rearrange two step formulae |
| Developing | Construct and interpret pictograms and barcharts Design frequency charts for discrete data Construct and interpret vertical line graphs Design grouped frequency charts for continuous data Work out the mean and median | Two step equations with the unknown on one side Two step equations with the brackets | Substitute positive integers into linear formulae Rearrange one step linear formulae |
| Acquiring | Filling in a tally chart from raw data Design a frequency chart Work out the range | One step equations Multiply a bracket by a single term | Use function machines to work out inputs and outputs Substitute positive integers into simple expressions |