

Climbing the Strand Maths Mountains!

Statistics

- I can evaluate statements made by others about the findings of statistical investigations
- I can communicate my findings using appropriate displays
- I can recognise variance between experimental data and expected outcomes and draw conclusions
- I can explain and calculate common statistical measures (average, frequency, range)
- I can use fractions and percentages to describe probability
- I can identify patterns, variations, relationships and trends
- I can gather, sort and display multiple variable category, measurement and time-series data
- I can identify appropriate variables and data collection methods
- I can conduct my own cycle of statistical inquiry

Geometry

- I can describe and find locations and directions using compass directions, distances and grid references
- I can build models from different elevations
- I can describe and use different lines (e.g. horizontal, vertical, parallel, perpendicular, diagonal)
- I can use shape properties to calculate angles
- I can measure and calculate angles
- I can explain the rules for different geometric shapes
- I can create and construct more complex nets

Measurement

- I can solve complex problems involving measurement
- I can use and interpret scales, timetables and charts
- I can use ratios to increase or decrease linear measures
- I can calculate perimeters, areas and angles of squares, parallelograms, triangles and circles
- I can convert between units, using whole numbers and precise decimals
- I can use scales, devices and units for a variety of precise measurements (length, area, volume, capacity, weight, temperature, angle and time)

