



KE196

## Knowledge areas

Mathematics

## Key Experiments

Significant digits and uncertainties

Angular properties of triangles

The basic trigonometric ratios and relations in a right triangle

The Pythagorean theorem, a metric relationship between the sides of a right triangle

Metric relations in any triangle

Relations between the angles formed by parallel lines cut by a transversal straight line

The area of the cube

The volume of the cube

The area of the regular pentagonal pyramid

The area of the straight cylinder

