

Science

Physics

- Forces and Motion Moving things, forces and movement, energy for movement, speed, turning forces, more machines, supplying the energy
- Force Fields and Electromagnets force fields, static electricity, current electricity, resistance, electromagnets, humans in space
- Physics Revision Models in science, energy, forces, waves and fields, machines

Chemistry

- Making materials About ceramics, polymers, composite materials, problems with materials, recycling materials, material failures
- Reactivity Demolition, types of explosion, reactivity, energy and reactions, displacement, extracting metals, Alfred Nobel
- Chemistry Revision Separating substances, chemical reactions, physical and chemical, the periodic table, earth and atmosphere.

Biology

- Genetics and Evolution Environmental variation, inherited variation, probability, dna, genes and extinction, natural selection, recreating animals
- Plant Growth Reactions in plants, plant adaptations, plant products, growing crops, farming problems, organic farming
- Biology Revision Cells, systems and movement, other organ systems, reproduction and health, energy in ecosystems, genetics and evolution.





English

Literature

Fiction Texts - Reading & Writing

Descriptive/Narrative writing

Non-fiction reading

Non-fiction transactional writing

PoetrySpelling, Punctuation & Grammar

Spoken English

Shakespeare study



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Math

Number

- Indices
- Standard form
- Significant figures

Algebra

- Expanding quadratics
- Plotting quadratic graphs
- y=mx+c

Ratio, Proportion & rates of change

Direct and inverse proportion

Geometry and measure

- Volume and surface area of cylinders
- Congruence
- Interior/exterior angle
- Pythagoras' Theorem
- Trigonometry



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Math

Angles and Polygons

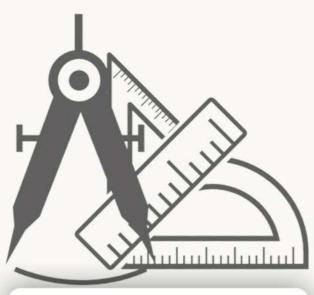
- Calculating missing angles (angle facts)
- Measuring, drawing and estimating angles
- Bearings
- Angles in parallel lines
- Special triangles and quadrilaterals
- Interior and exterior angles of polygons
- · Congruence and similarity

Probability topics

- Theoretical probability
- Experimental probability
- Sample space diagrams
- Venn diagrams

Statistics

- Averages from a frequency table
- Correlation



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