

Year 6 Extension Topics

Atom's extension topics introduce early Key Stage 3 English, maths and science content to stretch and challenge your child in preparation for Year 7.

Our Education Experts recommend that your child continues to work through the adaptive Learning Journeys, building confidence with higher-level content and revising areas of difficulty. You can also set your child Custom Practice activities in these extension topics. Find out how to set a Custom Practice [here](#).

Math

Statistics

- Mean, Median & Range

Representing Data

- Scatter Graphs
- Averages from Graphs

Probability

- Basic Probability
- Compound Probability

Decimals

- Recurring Decimals

Weights and Measures

- Speed

Measuring Space

- Units of Volumes and Areas
- Surface Area

Proportion

- Proportion

Percentage

- Percentage Change

Equations

- Rearranging Equations Inequalities

Expressions

- Intro to Algebraic Notation
- Brackets in Algebra
- Algebraic Fractions

Sequences

- Complex Sequences
- The nth Term



English

Punctuation

- Hyphens and Parentheses
- Colons and Semicolons
- Sentence punctuation

Parts of Speech

- Verbs

Verb Agreement

- Subjunctive Verbs Forms
- Modal Verbs

Meaning of Words

- Definitions
- Antonyms and Synonyms

Genre

- Persuasive Writing
- Poetry
- Fiction
- Non-Fiction
- Drama

Biology

Animals Including Humans

- Teeth and the Digestive System
- Food Chains
- Keeping Healthy: Drugs and Exercise
- Keeping Healthy: Micro-organisms
- Nutrition and Diet
- The Circulatory System
- The Human Body: Organs, Skeletons and Muscles

Living Things and Their Environment

- Classification

Plants

- Parts of Flowering Plants
- The Life Cycle of Flowering Plants

Evolution

- Variation, Adaptation and Evolution

Chemistry

States of Matter

- States of Matter:
- Solids, Liquids and Gases
- Changing State

Materials

- Physical Changes:
- Dissolving and Solutions
- Physical Changes:
- Separating Mixtures
- Properties of Materials

Rocks

- Rocks, Soils and Fossils

Physics

Sound

- Changing Sound: Pitch and Volume
- How We Hear Sound

Electricity

- Circuit Diagrams and Changing Voltage
- Electrical Circuits and Keeping Safe

Earth and Space

- Our Solar System and the Universe
- Day and Night

Forces and Magnets

- Magnets
- Frictional Forces: Air Resistance, Water Resistance and Friction
- Reaction Forces and Gravity
- Mechanisms: Pulleys, Levers and Gears

