

# 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](#).

## English

### Punctuation

- Hyphens and Parentheses
- Colons and Semicolons
- Sentence Enders

### Parts of Speech

- Verbs
- Modal Verbs

### Verb Agreement

- Subjunctive Verb Forms

### Meaning of Words

- Definitions
- Antonyms and Synonyms

### Genre

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

## Maths

### Statistics

- Mean, Median & Range

### Graphs

- Scatter Graphs
- Averages from Graphs

### Probability

- Basic Probability
- Compound Probability

### Decimals

- Recurring Decimals

### Weights and Measures

- Speed

### 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



# Science



## 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

