Tatworth school Science Roadmap

EYFS
Understanding the world:
Natural World – Big ideas of identifying/ grouping/ cause and change. Seasons.

Autumn Year 1
Biology – Common plants and animal structure
Chemistry – Objects and Materials
Physics - Seasons

Spring Year 1
Biology – Structure of trees Plants and Animals groups
Chemistry – Materials and properties
Physics - Seasons

Summer Year 1
Biology – Flowering plants and humans
Chemistry – Materials and properties
Physics - Seasons

Autumn Year 2
Biology – Living things and environments
Chemistry – Comparing materials

Spring Year 2
Biology – Plants seeds and bulbs / Habitats
Chemistry – Changing shape of materials
Physics - Magnets

EYFS

Key Stage One

Summer Year 2
Biology – needs of plants / Animals and offspring
Chemistry – Suitability of materials

Summer Year 3
Biology – Plants functions
Chemistry - Rocks
Physics – intro to Earth and space

Spring Year 3
Biology – Animal skeleton and movement
Physics – Light

Autumn Year 3
Biology – Plants function seed dispersal
Physics – Forces and magnets

Lower Key Stage Two

Autumn Year 4
Biology – Classification and environment of plants
Chemistry – States of matter
Physics - Sound

Spring Year 4
Biology – Animal digestion and teeth
Chemistry – States of matter
Physics - Electricity

Summer Year 4
Biology – living things and habitats, classification, environmental change
Chemistry – States of matter
Physics – light

Autumn Year 5
Chemistry – Material properties
Physics – Earth and Space

Spring Year 5
Biology – differences of life cycles/ describe life processes of reproduction in plants and animals
Chemistry – Making new substances

Upper Key Stage Two

Key Stage Three

Summer Year 6
Biology - Classification
Biology – Sexual education
Science project

Spring Year 6
Biology – Respiration and circulatory system
Physics – Electricity and circuits

Autumn Year 6
Biology – Evolution/ inheritance and adaptation
Physics - Light

Summer Year 5
Biology – Animal gestation periods and changes experienced in puberty
Science project