

# Sytchampton Science Curriculum Pathway

Secondary School

**Biology – Evolution**  
What is evolution?

**Biology – Living Things and Their Habitats**  
What is classification?

**Physics – Light**  
What is Light?

**Physics – Electricity**  
What is Electricity?

**Chemistry – Materials**  
How do materials change?

UKS2 B

**Biology – Animals Including Humans**  
How do an animal's living systems work together to maintain a healthy body?

**Earth and Space**  
What is the Solar System?

**Physics – Forces and Magnets**  
Are there different types of forces?

**Biology – Living Things and Their Habitats**  
How do living things reproduce and why is this important in a life cycle?

**Biology – Animals Including Humans**  
How do we change as we grow older?

UKS2 A

**Biology – Living Things and Their Habitats**  
Which living things can be found in the local area?

**Biology – Animals Including Humans**  
What happens to the food that we eat?

**Physics – Light**  
What is light?

**Physics – Forces and Magnets**  
How do magnets work?

**Chemistry – States of Matter**  
Can materials change state?

LKS2 B

**Physics – Electricity**  
What is electricity?

**Physics – Sound**  
What is sound?

**Biology – Plants**  
How does each part of the plant fulfil its function?

**Chemistry – Rocks and Soils**  
How can we classify rocks?

**Biology – Animals Including Humans**  
How do the systems inside our body work together to make a healthy human?

**Biology – Plants**  
How do seeds and bulbs grow into healthy plants?

**Biology – Plants**  
How can we identify different plants and trees?

**Chemistry – Materials**  
How are materials chosen in design?

LKS2 A

**Chemistry – Materials**  
Why do we use different materials for different things?

**Physics – Seasonal Changes**  
Why does the weather change during the different seasons?

**Biology – Living Things and Their Habitats**  
How do we know something is alive?

**Biology – Animals Including Humans**  
Why do we need to keep healthy?

KS1 B

**Biology – Animals Including Humans**  
How can we group animals?

Identify and name a variety of everyday materials including wood, plastic, glass, metal, water and rock. Describe and compare simple properties of a variety of everyday materials e.g. soft, hard, smooth, rough Describe some natural processes e.g. how ice melts, how sound makes vibrations, how light travels through transparent materials, how some objects create shadows, how magnets can attract object and why some objects float on water

Use their senses to describe the world around them Identify ways in which to care for the natural world Draw pictures of the natural world including animals and plants Name and describe some familiar animals from their local environment Identify some animals which live in contrasting environments (from books shared in class) Can talk about the importance of caring for the environment Shows care and concern for living things Recognise that animals grow

KS1 A

Name and describe some familiar plants in their local environment Identify some plants which live in contrasting environments (from books shared in class) Recognise that plants grow Can talk about the importance of caring for the environment Shows care and concern for living things

EYFS

Observe and identify some simple changes in each season Observe and identify differences in the weather associated with the seasons Identify some differences in weather in contrasting environments