

# Saint James Science Curriculum Road Map

## SECONDARY SCHOOL

## YEAR 6

**Year 6 Animals inc. Humans**  
I am a biomedical scientist: I study how the human body works.  
What does my blood do?

**Year 6 Living things and their habitats**  
I am a biologist: I study classification.  
How and why do we classify things?

**Year 6 Light**  
I am an optic physicist: I study the behaviour of light.  
What would we do without light?

**Year 6 Evolution and Inheritance**  
I am an evolutionary biologist: I study evolution and inheritance.  
What is evolution and how does it help survival?

**Year 6 Electricity**  
I am an electrical engineer: I study and control how different circuits are impacted.  
What are electric circuits and how do they work?

**Year 5 Forces and Magnets**  
I am a physicist: I study magnetism.  
Why is the tank stuck?

**Year 5 Earth and Space**  
I am an astronomer: I study out of space, the solar system and its objects.  
What is Earth's address in space?

**Year 5 Animals inc. Humans**  
I am a biologist: I study how the human body works.  
How do some people have children?

Year 4 end of year assessment

## YEAR 5

**Year 4 Sound**  
I am a physicist: I study sound.  
How does sound travel?

**Year 5 Materials**  
I am a materials scientist: I study the properties and structure of materials.  
Are there some changes we cannot reverse?

**Year 5 Living things and their habitats**  
I am a biologist: I study different animals.  
What is a lifecycle in biology?

**Year 5 Earth and Space**  
I am an astronomer: I study out of space, the solar system and its objects.  
How and why do the spherical bodies move in our solar system?

**Year 4 Electricity**  
I am an electrical engineer: I study electricity.  
What are electric circuits and how do they work?

**Year 4 Sound**  
I am a physicist: I study sound.  
How is sound produced?

**Year 4 Animals inc. Humans**  
I am a biomedical scientist: I study how the human body works.  
How does the body get nutrients from food into the bloodstream?

**Year 4 Materials**  
I am an engineer: I study materials.  
How do materials change state?

**Year 3 Rocks**  
I am a geologist: I study rocks.  
What on earth is a rock?

**Year 3 Plants**  
I am a botanist: I study plants.  
How do plants make their food?

**Year 3 Plants**  
I am a botanist: I study plants.  
What happens when certain elements are taken away from a plant?

**Year 4 Living things and their habitats**  
I am a biologist: I study living things.  
What is classification?

**Year 3 Animals inc. Humans**  
I am a biomedical scientist: I study how the human body works?  
Why is our skeleton and muscle important?

**Year 3 Forces and Magnets**  
I am a physicist: I study magnets.  
How are magnets used in everyday life?

**Year 3 Light**  
I am an optic physicist: I study the behaviour of light.  
Why can you see your reflection in a mirror but not the floor?

Year 3 end of year assessment

## YEAR 4

**Year 2 Plants**  
I am a botanist: I study plants.  
What do plants need to grow successfully?

**Year 2 Living things and their habitats**  
I am an ecologist: I study the relationship between living things and the environment.  
How are animals adapted to their own habitats?

**Year 2 Animals inc. Humans**  
I am a nutritionist: I study diet and health.  
How do we keep ourselves healthy?

## YEAR 3

**Year 2 Materials**  
I am an engineer: I study materials.  
Why do we choose materials to do certain jobs?

**Year 2 Living things and their habitats**  
I am a biologist: I study living things.  
Is a flame alive?

**Year 2 Animals inc. Humans**  
I am an entomologist: I study insects.  
How does a caterpillar become a butterfly?

**Year 1 Seasonal Changes**  
I am a climate scientist: I study how the different seasons impact our environment.  
Do seasons affect habitats?

**Year 1 Animals inc. Humans**  
I am a biomedical scientist: I study how the human body works.  
How do we use our senses to understand our environment?

## YEAR 2

**Year 1 Materials**  
I am an engineer: I study materials.  
What is the best material for a toy?

**Year 1 Plants**  
I am a botanist: I study plants.  
How do plants get what they need to survive?

**Year 1 Animals inc. Humans**  
I am a zoologist: I study animals.  
How do animals differ?

Year 1 end of year assessment

## YEAR 1

**Year 1 Plants**  
I am a botanist: I study plants.  
How do plants grow?

**Year R States of Matter**  
How do things change?

**Year R Habitats**  
What is my environment?

## YEAR R

**Year R Plants**  
What are plants?

**Year R Animals inc. Humans**  
What is your favourite animal?

**Year R Seasonal Change**  
What are our seasons?

## PRIMARY SCHOOL