

Meadow Park School - Curriculum Map 2021-2022



Key Stage	Year Group	Subject	Teacher	Programme of Study		
2	5/6	Science	Miss Chelsi Morris	National Curriculum		
Autumn a		Autumn b	Spring a	Spring b	Summer a	Summer b
Topic(s)		Topic(s)	Topic(s)	Topic(s)	Topic(s)	Topic(s)
Year 5						
Animals Including Humans (Describe the Changes as Humans Develop to Old Age.)	Evolution and Inheritance (No Requirement in Year 5.)	Electricity (No Requirement in Year 5.)	Light (No Requirement in Year 5.)	Living Things and their Habitats (Describe the Differences in the Life Cycles of a Mammal, Amphibian, Insect and Bird.) (Describe the Life Process of Reproduction in Some Plants and Animals.)	Scientists and Inventors	
Year 6						
Animals Including Humans (Identify and Name the Main Parts of the Human Circulatory System, and Describe the Functions of the Heart, Blood Vessels and Blood.) (Recognise the Impact of Diet, Exercise, Drugs and Lifestyle on the Way Their Bodies Function.)	Evolution and Inheritance (Recognise that Living Things Have Changed Over Time and That fossils Provide Information About Living Things That Inhabited the Earth Millions of Years Ago.)	Electricity (Associate the Brightness of a Lamp or the Volume of a Buzzer with the Number and Voltage of Cells Used in the Circuit.) (Use Recognised Symbols when Representing A Simple Circuit in a Diagram.)	Light (Recognise That Light Appears to Travel in Straight Lines.) (Use the Idea That Light Travels in Straight Lines to Explain That Objects Are Seen Because They Give Out or Reflect Light into the Eye.)	Living Things and their Habitats Describe How Living Things are Classified into Broad Groups According to Common Observable Characteristics and Based on Similarities and Differences, Including Micro-Organisms, Plants and Animals.)	Scientists and Inventors	
Assessment Tasks	Assessment Tasks	Assessment Tasks	Assessment Tasks	Assessment Task	Assessment Tasks	
End of Unit Test – Animals Including Humans	End of Unit Test – Evolution and Inheritance	End of Unit Test – Electricity	End of Unit Test - Light	End of Unit Test – Living Things and their Habitats	End of Unit Quiz – Scientists and Inventors	
Create Information Booklet	Create Information Booklet	Presentation to class	Presentation to class	Create information booklet	Presentation to class	
Personal Development/CEIAG	Personal Development/CEIAG	Personal Development/CEIAG	Personal Development/CEIAG	Personal Development/CEIAG	Personal Development/CEIAG	
Relationships - Describe how drugs and alcohol can impact negatively on the body and affect relationships	Health and Wellbeing - Identify inherited traits and adaptive traits and discuss in terms of donation etc	Health and Wellbeing – discuss the dangers of electricity and how to stay safe	Relationships – understanding that light enables us to see, but some people have no sight, how does this affect their relationships?	Community - design a creature with a specific set of characteristics, discuss different people within our community	Community - describe Alexander Fleming's discovery of penicillin and how this helped the community	
Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing	Reading & Writing	

Record results and write a report which includes a conclusion	. Read and examine fossil evidence supporting the idea of evolution	Be able to plan and conduct an investigation	Predict what will happen in an investigation when writing plan	Complete descriptions on the characteristics of groups of organisms	Sort facts about Mary Leakey's life and work
Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening	Speaking & Listening
Explain the main functions of the heart, lungs and blood vessels in the circulatory system	Identify the difference between selective and crossbreeding and stage a debate	Know the main circuit symbols and explain these to others.	Explain that objects block light to form shadows	Describe Carl Linnaeus and his development of his classification system	Share facts about Stephen Hawking's life and work
Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning	Numeracy & Mathematical Reasoning
Take accurate measures of the pulse rate	Understand that adaptations are random mutations, explore patterns and exceptions	Decide how to record data and use ICT to present this	Make observations and record these in charts	Sort and group animals based on their features and characteristics	Construct a scatter graph from a table of results
Creative Media	Creative Media	Creative Media	Creative Media	Creative Media	Creative Media
Create a model to identify the main parts of the circulatory system	Watch various clips showing evolution in quick time	Draw circuit diagrams including accurate symbols	Make own puppets with art materials and use a camera to capture making shadows	Design a microorganism using given characteristics, use design app to create	Use CAD to draw a diagram of their observations into black holes