



Crooks Barn Science Long Term Overview



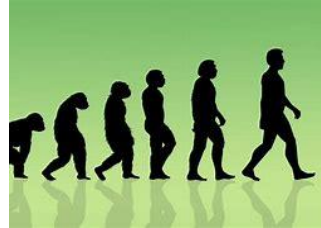
Science - Substantive Knowledge

Biology

Animals, including humans.



Evolution & Inheritance



Living things & their habitats



Plants

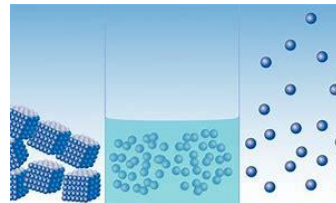


Chemistry

Everyday Materials



States of Matter



Rocks



Properties of Materials



Physics

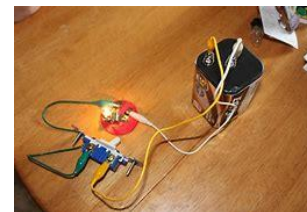
Forces & Magnets



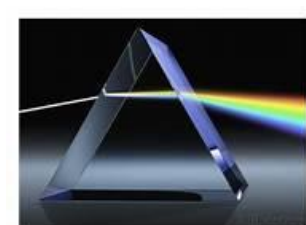
Earth & Space



Electricity



Light & Sound



Science Overview Early Years

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	<p>Marvellous Me</p> <p>Explore different objects and materials using the senses. (Materials /Animals, inc. humans)</p>	<p>My Special Days</p>	<p>What happens in Winter?</p> <p>Identifying the seasons (Seasonal Change)</p> <p>Identifying and sorting the clothes we wear in different weather. (Seasonal Change)</p>	<p>We're Going on a Bear Hunt</p> <p>Collecting and sorting objects from outdoors (Materials)</p> <p>Exploring patterns in our environment – rubbings, leaves, bricks (Materials)</p> <p>Exploring and caring for minibeasts. (Animals, inc. humans)</p>	<p>How Does Your Garden Grow?</p> <p>Lifecycle of a butterfly (Animals, inc. humans)</p> <p>Planting seeds (Plants)</p>	<p>On the Move</p>
Reception	<p>Where do I belong?</p> <p>Healthy Food Choices Parts of the Human Body (Animals, inc. humans)</p>	<p>Let's Celebrate</p> <p>Visit to 'Forest School' - spotting signs of Autumn, changes in the environment. (Seasonal Change)</p>	<p>Polar Regions</p> <p>Melting freezing ice (States of Matter)</p> <p>Comparing <u>North Pole</u> with our own country. (Living things and habitats)</p>	<p>If You Go Down to the Woods Today</p> <p>Observing changes in the local environment (Seasonal Change)</p> <p>Earth Day – Litter pick in local environments. (Living things and habitats)</p> <p>Observational drawings of plants (Plants)</p>	<p>Old Macdonald Had a Farm</p> <p>Lifecycle of a chick/tadpole/butterfly (Animals, inc. humans)</p> <p>Planting vegetables – Bean diary (Plants)</p> <p>Baby Animals Labelling parts of a farm animal. (Animals, inc. humans)</p>	<p>Journeys</p> <p>Sorting materials – metal, wood, plastic (Materials)</p> <p>Boats – Floating and sinking. (Forces)</p> <p>Comparing woodland & beach environment (Living things and habitats)</p>

Science Overview KS1 & KS2

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1 & 2 Rotation A	Animals, including humans. (Human body & Senses)	Animals, including humans. (Health & Hygiene)	Animals, including humans. (Common Animals)	Uses of Everyday Materials (Choosing Materials)	Plants (How plants grow)	Living Things & their habitats (Habitats)
Year 1 & 2 Rotation B	Plants (Trees)	Everyday Materials (Material Properties)	Uses of everyday Materials (Change)	Animals, including humans. (Animal Offspring)	Plants (Flowering plants)	Living Things & their habitats / Animals, including humans) (Food chains)
Year 3 & 4 Rotation A	States of Matter	Animals, including humans. (Nutrition, Skeleton & Muscles)	Electricity	Light	Living things and their habitats.	Plants (Life & Growth)
Year 3 & 4 Rotation B	Animals, including humans. (Digestion & Teeth)	Forces & Magnets	Rocks	Sound	Living things and their habitats (Environments Change)	Plants (Lifecycle of a flowering plant)
Year 5 & 6 Rotation A	Evolution & Inheritance	Properties & Change of Materials	Living things & their habitats (Lifecycles)	Animals, including humans. (Circulatory System & Lifestyle)	Electricity	Puberty / KS3 Ready Investigations
Year 5 & 6 Rotation B	Forces	Animals, including humans. (Birth to Old Age)	Living things and their habitats	Earth & Space	Light	Puberty / KS3 Ready Investigations

Seasonal Change – Studied throughout the year in Key Stage 1