

Year One

"Everyday Materials" – naming, describing & comparing materials

"Our Changing World:- Animal Antics, Plants & Sensing the Seasons"  
"Using our Senses" - ongoing

"Plant Detectives" – naming, describing and comparing plants growing in the local area

"Take care" – healthy diet, keeping clean and fit

"Growing Up" – changes and needs – babies to children

"Apprentice Gardener" – growing plants from seed & what plants need to grow

"What is your habitat?" – where do animals live?

Year Two

"Looking at Animals" – naming, describing and comparing range of vertebrates, focus on body parts & senses

"Our Changing World" - ongoing

"Materials shaping up" – changing the shape of different materials  
"Materials: good choices" – properties and choosing materials for specific tasks

"How does your Garden Grow?" – plant parts & functions  
Plant reproduction via production of seeds

"Rock Detectives" – rocks & soils

"The power of Forces" – introducing contact and non-contact forces: friction & magnetism

Year Three

"Amazing bodies" – muscular-skeletal system

"Can you see me?" – light & shadows

"Where does all that food go?" – digestion

"Who am I?" – introducing classification in animals

"In a State" – states of matter

"Good Vibrations" - sound

Year Four

"Our Changing World" - ongoing

All year groups gain experience with different enquiry types: grouping & classifying, comparative/fair testing, observation over time, pattern seeking, secondary research and problem solving

Children develop their skills in working scientifically through: planning, doing, recording results and reviewing  
Skills within each area develop as the children move through the school and increasing opportunities are provided to make decisions within their investigating encourage children to become more independent in their finding out about the world around them.

"Switched on" – introducing electrical circuits

"Human Impact" – affects on the environment

Year Five

"Everyday Materials" – how properties affect the choice of material for everyday objects  
"Earth & Beyond" puberty in humans

"Light up our World" & Ibn al-Haytham

"Everything Changes" – inheritance, adaptation & evolution

"Properties of Materials" – reversible and irreversible changes"

"Body Pump" – heart & circulation system

"Danger! Low Voltage" - electricity

"Nature Library" – classification

"Body Health" – impact of diet, exercise, drugs & lifestyle on body functioning

"Circle of Life & Plant/Animal Reproduction"

"Get Sorted" – classification of materials

"Feel the Force" – how forces affect movement & mechanisms can increase the affect of a force

"Marvellous Mixtures" – separating materials

Year Six

Climate Change – Y6 linked to Everything Changes and Properties of Materials  
Sustainability – whole school initiatives, EcoTeam inspiration, links across curriculum e.g. DT skills  
Biodiversity – Y5 and Y6 Chiltern Rangers - ongoing fieldwork in local area