"Everyday Materials" -"Take care" - healthy diet, "Apprentice Gardener" - growing plants from seed & naming, describing & keeping clean and fit "Plant Detectives" - naming, describing what plants need to grow comparing materials and comparing plants growing in the local area "Growing Up" – changes and "What is your habitat?" - where do animals live? needs - babies to children " Our Changing World:- Animal Antics, Year Plants & Sensing the Seasons" Year "Using our Senses" - ongoing " Our Changing World" - ongoing One Two "Materials shaping up" - changing the shape of different materials "Materials: good choices" – properties and choosing materials for "Looking at Animals" – naming, describing specific tasks and comparing range of vertebrates, focus on body parts & senses "How does your Garden Grow?" -"Rock Detectives" – rocks & soils Year plant parts & functions "Amazing bodies" -Plant reproduction via production muscular-skeletal Three "The power of Forces" – of seeds introducing contact and nonsystem "In a State" - states of contact forces: friction & "Where does all that food "Can you see me?" matter magnetism qo?" - digestion Year light & shadows "Good Vibrations" - sound "Who am I?" - introducing Four classification in animals " Our Changing World" - ongoing All year groups gain experience with different enquiry types: grouping & classifying, comparative/fair testing, observation over time, pattern seeking, "Switched on" secondary research and problem solving introducing electrical Children develop their skills in working scientifically through: planning, doing, recording results and reviewing circuits 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. "Danger! Low Voltage" - electricity "Human Impact" – affects on the environment "Nature Library" – classification "Properties of Materials Year "Light up our World" & "Everyday Materials" – how properties affect - reversible and "Body Health" - impact of diet, Ibn al-Haytham irreversible changes" the choice of material for everyday objects exercise, drugs & lifestyle on body **Five** "Earth & Beyond" "Everything Changes" functioning "Body Pump" - heart & inheritance, adaptation puberty in humans Year circulation system & evolution Six "Circle of Life & Plant/Animal Reproduction" Climate Change – linked to Everything Changes Project (Autumn 2), ongoing application of other "Feel the Force" - how forces affect movement & material in Science and other subjects "Get Sorted" - classification of **Biodiversity** – RS Partnership project, & Chiltern Rangers - ongoing fieldwork mechanisms can increase the affect of a force materials "Marvellous Mixtures" – separating materials Bledlow Ridge Curriculum Road Map-Science