		KS1	KS2
Science	Materials	• Identifying materials and their properties • Shaping materials • Uses of materials • Linking properties to use • Sustainability and recycling	• Properties of materials • Thermal conductivity • Measuring temperature • Thermal insulators • Solubility • Heterogeneous and homogeneous mixtures Sieving • Filtration • Evaporation • Separating unusual mixtures • Reversible and irreversible changes • Innovative materials
	Humans and Animals	• Human life cycle • Human needs for health and survival • Healthy lifestyle • Bodily hygiene routines • Handwashing investigation • How germs spread • Invertebrates and invertebrate groups • Microhabitats • Animal needs for survival • Animal offspring • Lifecycles – amphibians, birds, invertebrates, mammals and reptiles • Seasonal changes in animals	• Animal life cycles • Stages and processes • Classifying mammals • Mammalian life cycles • Interpreting scatter graphs • Human life cycle • Human gestation stage • Human juvenile stage • Human adolescent stage • Puberty • Venn diagrams • Interpreting line graphs • Human sexual reproduction • Human ageing
	Plants, Food chains and Habitats	• Plant parts • Seasonal changes in plants • Investigating germination • Investigating plant growth • Unusual plants • Exploring habitats • Living and non-living things • Identifying plants and animals in a habitat Animal shelter and food • Food chains • Animal adaptations • Camouflage investigation • Plant adaptations • Human impact on habitats • Habitat improvements	• Food chains and webs • Life cycles • Plant reproduction • Growing plants • Modern farming

	Earth and Space		• The Solar System • Scientists of the past who discovered how the Solar System works • The Earth, Sun and Moon • Planets and stars are spherical • Daytime and night time • Sundials • Day length and the seasons • Times of the day around the world • The phases of the Moon • Lunar and solar eclipses
	Forces/ Electricity		• Contact and non-contact forces • Gravity • Mass and Weight • Discovering gravity – important scientists Friction • Air resistance • Water resistance • Mechanisms – levers, pulleys, gears Investigating forces and mechanisms;
	Working scientifically	• Identifying and classifying • Observing changes over time • Comparative test • Pattern seeking • Research	• Identifying and classifying • Observing changes over time • Comparative tests • Research • Pattern seeking