



# KS3 Science Lesson Overviews

Title	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
Cells, Organs and Systems	Life processes	Animal/Plant cells	Animal sexual reproduction	Pregnancy/ Gestation	Adolescence and Puberty
Eating, Drinking, Breathing	Breathing and respiration	Circulatory system	Food and Food Groups	Digestion	Disease/Lifestyle
Atoms, Elements, Molecules	Solids, liquids, gases	Particle Theory	Dissolving/ Solutions	Diffusion/ Evaporation	Separating mixtures
Elements, Compounds and Reactions	Elements/ compounds	Periodic Table	Metals	Non metals	Combustion
Energy Transfers	Energy Resources	Energy transfers	Potential & Kinetic energy	Energy from Food	Fuels
Forces	Measuring forces	Gravity and weight	Friction	Air and water resistance	Moments
Sound	Exploring Sound	Describing sound	How sound travels	Speed of sound	Hearing

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Human body and movement	Skeleton	Muscles and joints	Respiration	Anaerobic respiration	Fermentation
Plants	How plants make food	Leaves and Photosynthesis	Water and minerals	Pollination	Seed dispersal
Physical Changes	Particles and Matter	Thermal Expansion	Density of solids/ liquids	Density of gases	Concentration/ pressure
Chemical Changes	Acids	Alkalis	neutralisation/ salts	Acids/Metals	acid rain
Forces	Electrostatics	Pressure	Water pressure	Gas pressure	Floating and sinking
Electricity	Magnetic Fields	Electromagnets	Electric circuits	Series and parallel circuits	Resistance
Ecosystems	Food Chains and Webs	Interdependence	Ecological balance	Pollution	Human impact on environment

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Genetics and Evolution	Variation	Selective breeding	DNA and the Nucleus	Cloning	Endangered animals and extinction
Health and Drugs	Types of Drugs	Impact of smoking/alcohol	Diseases and defences	Microbes	Antibiotics and vaccination
Sustainable Earth	Atmosphere	Climate Change/ Global Warming	Carbon Cycle	Structure of the Earth	Rocks and Rock Cycle
Chemical Reactions	Reactivity	Metals from ores	Endothermic/ exothermic	Catalysts	Polymers
Motion, Earth and Space	Distance / time	Gravitational fields	Solar System	Motion of the Earth	Stars and Galaxies
Waves, Light and Energy	Waves	Light Waves + Properties	Ray Model	Coloured Light	Thermal Conduction and Radiation