

Year Six Key Knowledge

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Living things and their habitats Classification & characteristics	Evolution and inheritance	Electricity – Complex Circuits	Animals including humans – Circulatory System & Transportation around the body	Light – Through the Human Eye
Name the five kingdoms of organisms	The shape of teeth is a consequence of an animal's diet	Draw simple circuits with symbols	Recognise how the heart rate increases when we exercise	Light travels in a straight line to the eye
Give examples of organisms in the five kingdoms	Fossils tell us information about how that living thing lived	The higher the voltage from the cells the brighter the light	Recognise how a healthy diet and exercise has a positive impact on the body	We see objects when light is reflected on an object
Classify living things according to their characteristics	Offspring have some of their parents characteristics	The higher the voltage from the cells the higher the volume of a buzzer	Recognise the negative impact on the body eg, smoking, alcohol	Understand the relationship between a blocking object and its shadow
Classify local species into the five kingdoms and other groupings	Animals and plants adapt to suit their environment	Give reasons for the above	Label the heart	
Observe how fungi is formed	Have a brief understanding of who Darwin was and his theory of evolution	The higher the voltage from the cells the brighter the light	Describe how water is transported around the body - circulatory system	
Key Vocabulary & Definitions				
Classify, Separate, Groups Amphibians, Reptiles, Mammals, Fish Insects, Birds, animal plant single celled life form Carl Linnaeus taxonomy organisms genus species observation data worms humans (homosapiens) hierarchy Linnaean system class respiration, reproduction microorganisms, microscopes bacteria, viruses, coronavirus	Evolution, evolve Natural selection Survival Reproduction Offspring, parents, siblings Environment Variation Fossils; ammonites, belemnites, micrasters,	Electricity, Volts Series circuit Components: battery, bulb (lamp), bulb (lamp) holder, buzzer, crocodile clip, leads, wires, switch Describing words: brighter, duller, slow, fast, quiet, loud Conductor, insulator Resistance Effects of electricity: Light, sound, movement, heat	Circulatory system – heart, blood, veins, arteries, pulse, clotting Diet – balanced, vitamins, minerals, proteins, carbohydrates, sugars, fats Drugs – caffeine, nicotine, alcohol, cannabis, cocaine, heroine Lifestyle – healthy	Simple comparisons: dark, dull, bright, very bright Comparative vocabulary: brighter, duller, and darker Superlative vocabulary: brightest, dullest, and darkest Opaque, translucent, transparent Shadow – block, absence of light Reflect – bounce, mirror, reflection See – light source Sun – sunset, sunrise, position

