Yeadon Westfield Junior School - Science Vocabulary

Animals Including Humans					
Year 3					
ribcage skull organs	endoskeleton exoskeleton hydrostatic skeleton	muscles joint femur	carbohydrate protein fats	nutrition vitamins minerals	
Year 4					
saliva oesophagus stomach	small intestine large intestine rectum	molar pre molar incisor canine wisdom	plaque enamel dentine pulp	predator producer prey	herbivore carnivore omnivore carnassial
Year 5					
embryo pre-natal foetus new born adolescent puberty	early/ middle/ late adulthood.	breasts pubic hair hormones genitals menstruat-ion larynx	life expectancy physical/mental decline/ changes	placenta womb umbilicus	
Year 6					
oxygenated deoxygenated aorta chambers	arteries veins blood vessels plasma platelets capillaries	diaphragm alveoli inhale exhale	increases blood flow pulse rate	transportation nutrients capillaries	energy output substances

Living Things and Their Habitats					
Year 4					
classify compare key	vertebrate invertebrate criteria	dichotomous mammals amphibians	species organism systematic	habitat natural/ man made disasters environment	
Year 5					
sexual reproduction stigma stamen style (Y3) ovule fertilise	asexual reproduction	metamorp- hosis lava pupa	gestation embryo fertilised cell	propagation	anthropologist primatologist biologist
Year 6 (Lessons 1-5)					
micro- organisms microscopic cells single celled	dichotomous (Y4)	Linnaean system binomial genus species	diversity	taxonomist taxonomy	
Year 6 (Lessons 6-10)					
bacteria fungus virus lichen	decompose yeast mould	antibiotic prokaryotes ferment penicillin	(P.E.E. lesson)		

Rocks Year 3					
igneous metamorphic sedimentary	marble chalk granite durable physical properties	high/low density permeable impermeable	lava molten rock sediment erosion	organic matter weathering erosion compost	particles clay sand
States of Matter **Year 4 (1-5)**					
solid liquid gas	particles flow	carbon dioxide mass	solidify vibrate freeze melt	degrees celsius	
Year 4 (6-10)					
freezing/ boiling points	(Investigation)	evaporation condensation	changing states	precipitation ground run off underground water	
Properties and Changes of Material **Year 5 (1-5)**					
electrical resistance transparency conductivity hardness (Y2/3)	thermal insulator thermal conductor	(Data lesson)	dissolve soluble insoluble solubility solution	recover substance	
Year 5 (6-10)					
separating filtering	(Applying results/ explanation)	reversible reactions physical change	irreversible rusting oxidisation		

Light					
Year 3					
light source absence of light visible	reflected illuminate	UV light UV rating glare	opaque transparent translucent (previous language) block	shadow	
Year 6					
wavelength light waves visible spectrum	reflect reflection retina	angle of incidence incident ray refraction angle of reflection periscope	opaque transparent translucent (previous language)	concave convex visible spectrum prism	

Electricity					
Year 4					
battery mains	cells wires bulbs switch buzzer	complete circuit incomplete circuit	switch	conductor insulator	
Year 6					
positive negative	volts voltage current	push switch	effective design criteria	evaluate fit for purpose	

Forces
Year 3 (1-5)

pushes/ pulls contact- force	force Newton Meter	(Investigation Lesson)	attract repel repulsion non-contact force north pole south pole		magnetic non-magnetic iron nickel cobalt
Year 3 (6-10)					
horse-shoe magnet bar magnet	(Investigation plan)	(Investigation carry out)	compass points		
Year 5					
gravity gravitational pull Isaac Newton Ibn Al- Haytham	Newtons (Y3)	aerodynamics air resistance accelerate surface area Galileo	resistance buoyancy up thrust	friction (Y3) levers pulley gear pivot fulcrum cogs	

Plants **Year 3**					
roots stem/trunk leaves flowers anchor	(Investigation)	air light water nutrients	transport absorb	pollination reproduction stigma stamen style	seed dispersal seed formation

Evolution and Inheritance Year 6					
adaptations generations	inherit selective breeding offspring	characteristics variations	evolve adaptive traits	environment evolution	Charles Darwin Theory of Evolution

Sound Year 4					
volume decibels sound source	vibrations sound wave particles	ear drum ear canal	amplitude	high pitch low pitch	insulation soundproof absorb

Earth and Space Year 5					
heliocentric geocentric Ptolemy Alhazen Copernicus planets	orbits ellipse rotate satellite celestial body	tilted axis orbit	sphere spherical(Y3) satellite circumnavigation	crescent solar/lunar eclipse waning waxes	