Scheme of Work - Progression

Science / Sciences

Year 10 / 3ème

Period 1	● Transport in plants ● Water uptake ● Transpiration ● Translocation ● Respiration ● Aerobic respiration ● Anaerobic respiration ● Gas exchange in humans ● Transport in animals ● Heart ● Blood and lymphatic vessels

Autumn – Mid-Term Holiday

Period 2	● Blood ● Diseases and immunity ● Diet ● Nervous control in humans ● Sense organs ● Hormones in humans ● Tropic responses ● Homeostasis ● Drugs ● Medicinal drugs ● Misused drugs ● Excretion in humans

Winter Holiday

Period 3	● Water ● Air quality and climate ● Preparation of Salts ● Identification of ions and gases ● Isotopes ● Ions and ionic bonds

Winter – Mid-Term Holiday

Period 4	● Ions and ionic bonds ● Simple molecules and covalent bonds ● Giant covalent bonds ● Metallic bonds ● Metallic bonding

Spring Holiday

Period 5	● Magnets (soft & hard) ● Magnetic field ● Static Electricity ● Induction & electric fields ● Acceleration ● Acceleration due to freefall ● Newton's Laws ● F=ma experiment ● Speed-time graphs ● Scalars & vectors ● Vector addition ● Momentum ● Momentum & Collisions ● Energy transfers ● Efficiency ● Rollercoasters (GPE&KE) ● Energy resources (ICT research) ● Work done ● Power ● p=F/A ● Atmospheric pressure ● Measuring pressure ● Pressure in Liquids ● Potential dividers ● Dangers of electricity ● Electromagnetic induction ● A.C. Generator ● Transformers ● Magnetic effect of a current ● Force on a Current Carrying Wire ● Making a D.C motor