



The Camford International School

ANNUAL LESSON PLAN 2025-2026

GRADE: 9

SUBJECT: SCIENCE (086)

MONTH	CHAPTER NO. AND NAME	DETAIL CONCEPTS TO BE COVERED	PRACTICALS
APRIL	PHYSICS: Chapter-8 Motion	Motion: Distance and displacement. Velocity; uniform and non-uniform motion along a straight line; distance-time and velocity-time graphs for uniform motion and non-uniform motion. Equations of motion, elementary idea of uniform circular motion.	
	CHEMISTRY: Chapter 1: Matter in our surroundings	Matter, Classification of matter, The common unit of temperature and SI unit of temperature, change of state of matter, effect of change of temperature, latent heat, effect of change of pressure and evaporation.	Homogenous and heterogeneous solution

	<p>BIOLOGY:</p> <p>Chapter: 5 The fundamental unit of life</p>	<p>Cell as a basic unit of life: prokaryotic and eukaryotic cells, multicellular organisms; Cell membrane and Cell wall, Nucleus, Cytoplasm.</p>	<p>To prepare stained temporary mounts of onion peel and Human cheek cells and to record observations.</p>
JUNE	<p>PHYSICS:</p> <p>Chapter-8 Motion</p> <p>Chapter-9 Force and Laws of Motion</p>	<p>Force and Newton's laws: Force and Motion, Inertia of a body, Inertia and mass, Newton's first law of motion. Momentum, Force and Acceleration.</p> <p>Newton's second law of motion. Action and Reaction forces, Newton's third law of motion</p>	<p>Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.</p>
	<p>CHEMISTRY:</p> <p>Chapter 1: Matter in our surroundings</p> <p>Chapter: 2 Is matter around us pure</p>	<p>Change of state of matter, effect of change of temperature, latent heat, effect of change of pressure and evaporation.</p> <p>Elements and compounds, Metals, non-metals and metalloids and its properties, Mixtures and its types, Compounds, Difference between compounds and mixtures and Alloy</p>	<p>Perform the simple chemical reactions and classify them as physical or chemical changes.</p>

	<p>BIOLOGY: Chapter: 5 The fundamental unit of life</p>	<p>Cell organelles and cell inclusions: Vacuoles, Endoplasmic Reticulum, Golgi Apparatus. Cell division—general introduction to DNA and chromosomes; mitosis, meiosis.</p>	
JULY	<p>PHYSICS: Chapter-10 Gravitation</p>	<p>Gravitation: Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall. Thrust and Pressure, Buoyancy, Archimedes' Principle.</p>	<p>Establishing the relation between the loss in weight of a solid when fully immersed in a) Tap water b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.</p>
	<p>CHEMISTRY: Chapter:2 Is matter around us pure. Chapter:3 Atoms and Molecules</p>	<p>Solutions and its types, Properties of solution, Concentration of a solution, Saturated and unsaturated solution, Solubility, Physical and chemical change and Separation of mixtures Laws of chemical combination, Dalton's atomic theory, Atoms, symbol of elements,</p>	

	BIOLOGY: Chapter6: Tissues	Tissues, Organs, Organ system: Structure and functions of plant tissues (Meristematic and Permanent tissues in plants).	Identification of following tissues via permanent slides: Parenchyma, Collenchyma and Sclerenchyma.
AUGUST	PHYSICS: Chapter-11 Work, Energy and Power	Work, Energy and Power: Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy (excluding commercial unit of Energy). Rate of doing work.	
	CHEMISTRY: Chapter:3Atoms and Molecules	Atom and Atomic mass, Molecules and molecular mass.	
	BIOLOGY: Chapter6: Tissues	Tissues, Organs, Organ System: Structure and functions of animal tissues.	Identification of following tissues via permanent slides: Muscular tissues and nerve cells.
SEPTEMBER	PHYSICS: Chapter-12 sound	Nature of sound and its propagation in various media, speed of sound,	Verification of the Laws of reflection of sound Determination of the speed of a pulse propagated through a stretched string/slinky(helical spring).

	<p>CHEMISTRY: Chapter:3 Atoms And Molecules</p> <p>Chapter: 4 Structure of Atoms</p>	<p>Ions and ionic compound, Chemical formulae, Valency of ions, Writing chemical formula for ionic compound, Gram atomic mass and Gram molecular mass and Mole concept.</p> <p>Discovery of electron, proton and neutron, Structure of atom, Thomson model, Rutherford model, Neil's Bohr model,</p>	
	<p>BIOLOGY: Chapter: 15 Improvement in food resources</p>	<p>Improvement in food resources: Improvement in crop yields- Selection for quality improvement and management; Use of fertilizers and manures; Protection from pests and diseases; cropping patterns, organic farming.</p>	
OCTOBER	<p>PHYSICS: Chapter-12 sound</p>	<p>Range of hearing in humans; ultrasound, Reflection of sound; echo (a detailed study and its parameters)</p>	
	<p>CHEMISTRY: Chapter: 4 Structure of Atoms</p>	<p>Atomic number and mass number, Arrangement of electrons in the atom, valence electrons and valency, covalency, Isotopes and isobars and Radioactive isotopes.</p>	
	<p>BIOLOGY: Chapter: 15 Improvement in food resources</p>	<p>Improvement in food resources: Animal husbandry (cattle farming, poultry farming, fish production and bee keeping.)</p>	