



IGCSE SOW 2022-2024

Subject: Chemistry

IGCSE- I AY-2022-2023 (Term 1)

Month	Unit	Sub-topics	Duration (No. of lectures) [Per lecture 40 min]
July -2022	States of matter	1 State the distinguishing properties of solids, liquids and gases. 2 Describe the structures of solids, liquids and gases in terms of particle separation, arrangement and motion 3 Describe changes of state in terms of melting, boiling, evaporating, freezing and condensing 4 Describe the effects of temperature and pressure on the volume of a gas 5 Explain changes of state in terms of kinetic particle theory, including the interpretation of heating and cooling curves 6 Explain, in terms of kinetic particle theory, the effects of temperature and pressure on the volume of a gas Brownian Motion Diffusion	15 lectures
	Atoms, elements and compounds	1 Atoms, elements and compounds 2 Atomic structure and the Periodic Table	

August- 2022	Atoms, elements and compounds (continued)	3 Isotopes 4 Ions and ionic bonds 5 Simple molecules and covalent bonds 6 Giant covalent structures 7 Metallic bonding	18 lectures
September- 2022	Chemistry of the environment	1 Water 2 Fertilisers 3 Air quality and climate	
IGCSE Year 2(2023-24)			