

IPC Curriculum 1 – 6 Six Weeks

1 st Six Weeks	2 nd Six Weeks	3 rd Six Weeks	4 th Six Weeks	5 th Six Weeks	6 th Six Weeks
Safe Lab Procedures	Physical and Chemical Changes	Properties of fluids: Density, Viscosity, Buoyancy	Calculate: Speed Momentum Acceleration Work Power	Movement of heat: Convection, Conduction, Radiation	Magnetic field
Scientific method	Energy Changes during Chemical Reaction	Water as the universal solvent	Newton's laws of motion	Heating and cooling processes	Wave types and characteristics
Elements, Compounds, mixtures	Law of Conservation of mass	Concentration of ions	Simple machines	Thermal and electrical conductivity	Wave interactions: interference, polarization, reflection, refraction, resonance
Periodic Table Chemical behavior of elements	Environmental impacts of Reactions	Solubility	Mechanical advantage and efficiency of simple machines	Energy conversions	Uses of electromagnetic waves
Chemical Bonding	Nuclear Reactions	Rate of dissolving Effects of Acid Rain	Law of conservation of energy	Environmental impacts of various energy sources	Acoustic principles
				Series and Parallel circuits	