

III JUNIOR SCIENCE LEARNING JOURNEY







CHEM 2

Autumn 1

Lab safety and skills

Equipment and Bunsen burners Planning an investigation (variables) Planning an investigation (fair test)

Cells and organisation

MRS.C.GREN Animal and Plant Cells Microscopes Specialised Cells Organ and Systems

Electricity

Electrical Symbols Series Circuit Parallel Circuit Resistances Fuse and Plugs

nanges
nd nonmetals
compounds
ng points

nds
Reactions States of Matter, State Changes Periodic table, Metals and nonmetals Introduction to naming compounds Using Melting and Boiling points Atoms & molecules, Elements and compounds Chemical and Physical Reactions

Graph Week Acid and Alkali

Forces

Types of Forces Balanced and unbalanced Forces Speed (rearranging formulas) Mass weight and gravity Hooke's law, Density Skill lesson: rearranging formula and changing units

BIO 2

Spring

Puberty, Sperm & Egg Reproductive organs Mensuration and the journey of the sperm Foetal development Plant reproduction Pollination and Fertilisation Seed dispersal

Making compounds

Autumn

2

Spring 2

Plant and Diets

Summer

Astro Physics

Reproduction

End of Year Exam

Acid and Alkali. Good indicators UI and neutralisation Naming salts, Making salts Exothermic and Endothermic reactions Combustion and investigation



Photosynthesis Structure of the leaf Photosynthesis investigation Food groups and diet plan Diet and Metabolism Energy in food Minerals and food tests

BIO 3

The Solar System, day and night The seasons Eclipses The stars and the Universe Orbits Rocket launch practical