



A Star Equivalency – Science Syllabus Guide

Module One The Human Body	Module Two Inheritance & Survival
Action & Control	Mitosis & Meiosis
Organs & Digestive System	Fertilisation
Digestive Enzymes	Male & Female Hormones
Products of the Digestive System	Genes & Variation
Functions of the Blood	Mutations
Neurones & the Reflex Arc	Inheritance
The Eye	Genetic Engineering
Drugs	Survival
Homeostasis	Evolution
Kidneys	Natural & Artificial Selection
Skin	Our Effect on the Environment
Skin & Temperature	Pollution & Acid Rain
Module Three Chemical Patterns	Module Four Chemistry in Action
The Structure of the Atom	Crude Oil
The Periodic Table	Burning Fuel
Electronic Configurations	Cracking Hydrocarbons
Groups of Elements	Alkanes
The Halogens	Alkenes V
Rates of Reaction	Polymerisation
Collision Theory	Enzymes
Experiments on Rates of Reaction	Types of Chemical Reaction
Catalysts and Enzymes	Neutralisation
	Limestone
Module Five Energy & Electricity	Module Six Waves, Atoms & Space
Circuits	Wave Motion
Current in Circuits	Electromagnetic Waves
Voltage, Current & Resistance	Refraction
Mains Electricity	Analogue & Digital Signals
Fuses	Sound Waves
Safety & Heating	Ultrasound
Cost of Electricity	Gravity & Orbits
Generators & Transformers	Galaxies
Generating Electricity	The Life Cycle of a Star
Low Energy Appliances and Insulation	Big Bang vs. Steady State
	Atomic Structure
	Radiation