# EP Curriculum Map NSW (2025) Science - Stages 4 & 5



Please note that resources to support the **Data science** and **Working scientifically** outcomes in both Stages 4 & 5 can be found throughout various topics covered on EP. Skills specific to the Working scientifically outcomes are highlighted in their own section of this document.

# Stage 4

# **Observing the Universe**

SC4-OTU-O1 explains how observations are used by scientists to increase knowledge and understanding of the Universe

EP Lessons in 1. Space science		
Models of the Solar System	Day and Night	
Earth, Moon and Sun	• <u>Seasons</u>	
Phases of the Moon	<u>Changing Seasons</u>	
Lunar Eclipse	Investigation: Modelling The Earth, Moon and Sun	
Solar Eclipse	Investigation: Seasons and the Angle of the Sun	
Solar Eclipses: A Celestial Dance!		
EP Lessons in 2. Aboriginal and Torres Strait Islander Peoples' Cultural Knowledges of astronomy		
<u>Astronomical Observations of First Nations Australians</u>	• <u>Tides</u>	
Indigenous Australian Constellations	Data Interpretation: Tides and the Moon	
<u>Calendars and the Solar Year</u>		
EP Lessons in 3. Observing the Universe in context		
How Technology has Improved Understanding of Astronomy	Exploring the Moon, Mars and Beyond	
Exploring Space	<u>Satellites</u>	

#### Forces

**SC4-FOR-01** describes the effects of forces in everyday contexts

EP Lessons in 1. Forces in action		
Introduction to Forces	Drawing Forces	
<u>Contact and Non-Contact Forces</u>	<u>Electrostatic Force</u>	
Balanced and Unbalanced Forces	<u>Gravity, Mass and Weight</u>	
<u>Measuring Force</u>		
EP Lessons in 2. Magnets in everyday life		
Magnetism	Investigation: Mapping Magnetic Fields	
<u>Magnetic Fields</u>	Investigation: Building an Electromagnet	
EP Lessons in 3. Simple machines in everyday life		
• Levers	• <u>Gears</u>	
Investigation: Levers	<u>Gear Ratio</u>	
Inclined Planes	<u>Bicycle Investigation</u>	
Pre Lab: A Ramp as a Simple Machine	Ancient Tools and Weapons	
Post Lab: A Ramp as a Simple Machine	Investigation: Forces in Boomerangs	
<u>Wheels, Axles and Pulleys</u>		
EP Lessons in 4. Forces in context		
Maglev Trains	<u>Safety Systems</u>	
How Planes Stay Up	<u>Sports Science</u>	
<u>Comparing Robots</u>		

## **Cells and classification**

SC4-CLS-01 describes the unique features of cells in living things and how structural features can be used to classify organisms

EP Lessons in 1. Classification of living things		
Who is MRS GREN? Characteristics of All Living Things	Introduction to Dichotomous Keys	
Biological Classification	Branching Keys	
<u>Classification Systems</u>	<u>Tabular Keys</u>	
<u>Species and Hybrids</u>	Plants as Medicine	
<u>The Five Kingdoms</u>	Investigation: Building Dichotomous Keys	
<u>The Animal Kingdom: Vertebrates</u>	Investigation: Classifying Leaves	
<u>The Animal Kingdom: Arthropods</u>	Investigation: Using Dichotomous Keys	
<u>Adaptations</u>		
EP Lessons in 2. Cells		
<u>Cells and the Cell Theory</u>	Magnification	
Prokaryotic Cells	<u>Size of Cells</u>	
<u>Eukaryotic Cells</u>	<u>Specialised Plant Cells</u>	
<u>Animal Cell Structure</u>	<u>Specialised Animal Cells</u>	
Plant Cell Structure	Hierarchy of Organisation	
<u>Comparing Animal and Plant Cells</u>	Investigation: Pond Critters	
Parts and Function of a Microscope	Investigation: Using a Microscope	
How to Use a Microscope		

## Solutions and mixtures

**SC4-SOL-01** explains how the properties of substances enable separation in a range of techniques

EP Lessons in 1. Properties of matter	
Particle Model of Matter	<u>Changing States</u>
Solids, Liquids and Gases	<u>Melting and Freezing</u>
<u>The Water Cycle and Weather</u>	Boiling, Evaporation and Condensation
<u>Temperature and States of Matter</u>	Investigating Heating and Cooling Curves
<u>Comparing States of Water</u>	
EP Lessons in 2. Properties of water	
<u>Mass and Volume</u>	Density and Buoyancy
• <u>Density</u>	<u>When Water Freezes</u>
Investigation: Building a Density Tower	
EP Lessons in 3. Solutions	
• <u>Solubility</u>	<u>Concentration</u>
<u>Solvents and Solutes</u>	Investigation: Temperature and Dissolving
Solute and Solvent	
EP Lessons in 4. Separating mixtures	
Introduction to Mixtures	Post-Lab: Chromatography: Separating Colours
Graphs and Tables of Mixtures	<u>Crystallisation</u>
Introduction to Separation	<u>Magnetic and Electrostatic Separation</u>
• <u>Filtration</u>	Investigation: Separating a Mixture of Solids
<u>Pre Lab: Filtration</u>	First Nation Australian Separation Techniques: Extraction and
Post Lab: Filtration	Filtration
<u>Evaporation</u>	First Nation Australian Separation Techniques: Sorting methods
Investigation: Evaporation	Indigenous Art Using Mixtures
<u>Distillation</u>	Separation in Industries
<u>Chromatography</u>	Separation in Food
Pre-lab: Chromatography: Separating Colours	Blood as a Mixture

<u>Recycling Sewage</u>	
EP Lessons in 5. Solutions and mixtures in context	
<ul> <li>Microplastics &amp; COVID-19</li> <li>Water Treatment</li> </ul>	<u>STEM Activity: The Zombie Apocalypse Water Shortage</u>

# Living systems

**SC4-LIV-01** describes the role, structure and function of a range of living systems and their components

EP Lessons in 1. Body systems	
Introduction to Body Systems	• <u>Blood</u>
Organ Systems	Introduction to the Respiratory System
Overview of the Digestive System	Breathing
<u>Stomach and Small Intestine</u>	Introduction to Excretory System
Large Intestine and Rectum	<u>Excretory Organs</u>
Introduction to the Circulatory System	<u>Chronic Kidney Disease and Technology</u>
• <u>The Heart</u>	<u>Coronary Heart Disease</u>
Investigation: Heart Dissection	<u>Artificial Organs</u>
Blood Vessels	
EP Lessons in 2. Plant systems	
<u>Xylem and Phloem</u>	<u>Flower Dissection</u>
<u>Water Uptake</u>	
EP Lessons in 3. Ecosystems	
Introduction to Functioning Ecosystems	<u>Trophic Levels</u>
Biotic and Abiotic Elements	<u>Populations</u>
Biotic Factors and Competition	<u>Predicting Population Changes</u>
Investigating Ecosystems	Predators, Prey and Competition
<u>The Carbon Cycle</u>	Predator-Prey Dynamics
<u>The Nitrogen Cycle</u>	Introduced and Invasive Species
Ecological Energy Efficiency	Invasive Species in Australia
Food Chains and Food Webs	
EP Lessons in 4. Living systems in context	
What happened to? Why Species are Endangered or Extinct	<u>Writing Task: Saving Australia's Wildlife</u>
<u>Australian Flora and Fauna Over Time</u>	

#### **Periodic table and atomic structure**

**SC4-PRT-01** explains how uses of elements and compounds are influenced by scientific understanding and discoveries relating to their properties

EP Lessons in 1. Classification of matter	
What are Atoms, Elements and Compounds?	Metals, Non-Metals and Metalloids
Elements and Compounds in Household Products	Focus On Data: Identifying Metals, Nonmetals and Metalloids
Properties and Uses of Everyday Elements and Compounds	Investigating Properties of Metals and Non-Metals
Investigating Properties of Common Elements and Compounds	
EP Lessons in 2. Atomic structure	
<u>Atomic Structure</u>	Investigation: Build an Atom
History of the Atomic Model	
EP Lessons in 3. Periodic table	
<u>The Periodic Table</u>	<u>First 10 Elements</u>
<u>Why did we need a Periodic Table in the first place?</u>	<u>Atomic Symbols, Atomic Numbers and Relative Atomic Mass</u>
Discovering Elements	Organisation of the Periodic Table
<u>Trends in the Periodic Table</u>	<u>Electron Arrangements of Atoms</u>
Understanding the Periodic Table and Atomic Structure	Quiz- First 20 Elements (Name to Symbol)
• <u>Elements</u>	Quiz- First 20 Elements (Symbol to Name)
EP Lessons in 4. Periodic table and atomic structure in context	
Using Substances Based on their Properties	<u>Alloys and Their Uses</u>
Uses of Metals	

# Change

**SC4-CHG-01** explains how energy causes geological and chemical change

EP Lessons in 1. Energy transfers	
What is Energy?	Potential Energy
Heat Transfer	Identifying KE or PE
<u>Conduction</u>	Law of Conservation of Energy
<u>Convection</u>	<u>Energy Transformations</u>
Radiation	Displaying Energy Transformations
Lab Activity: Radiation Investigation	<u>Sankey Diagrams</u>
Investigation: Heat Energy	Investigation: Energy Transformations
<u>Kinetic Energy</u>	
EP Lessons in 2. Chemical change	
Physical Change	Writing Word Reactions
<u>Chemical Changes</u>	Investigating Respiration
Identifying Chemical Reactions	
Investigation: Observing Chemical Reactions	
EP Lessons in 3. Geological change	
Plate Tectonics	<u>The Rock Cycle</u>
Plate Boundaries	<u>Sedimentary Rocks</u>
Development of the Theory of Plate Tectonics	Igneous Rocks
Wegener's Theory of Continental Drift	Metamorphic Rocks
Seafloor Spreading & Magnetic Striping	<u>Classifying Rocks</u>
Introduction to Earthquakes	How First Nations Australians Used Rocks
<u>Earthquake Hazards</u>	Introduction to Minerals
Measuring Earthquakes	Identifying Minerals
Introduction to Volcanoes	Focus on Data: Comparing Minerals
Volcanic Eruptions	• <u>Fossils</u>
Earthquake and Volcano Patterns	<u>Australian Fossils</u>

- Earth's Structure
- Mechanical Layers of the Earth

#### • Dissecting the Earth

• Investigation: Build a Stratigraphic Column

#### EP Lessons in 4. Change in context

• Rube Goldberg Machines

# Working Scientifically

Curriculum Outcomes		
<b>SC4-WS-01</b> uses scientific tools and instruments for observations	<ul> <li>Measuring in Science</li> <li>Reading the Meniscus</li> </ul>	Observations and Inferences: Qualitative vs     Quantitative
<b>SC4-WS-02</b> identifies questions and makes predictions to guide scientific investigations	Questioning and Hypothesising	
<b>SC4-WS-03</b> plans safe and valid investigations	<u>Scientific Method</u>	
<b>SC4-WS-04</b> follows a planned procedure to undertake safe and valid investigations	<ul> <li>Science Equipment</li> <li>Safety Guidelines</li> <li>Safety Equipment</li> <li>Variables</li> <li>Control Variables and Control Groups</li> </ul>	<ul> <li>Fair Tests</li> <li>Accuracy</li> <li>Validity</li> <li>Repeatability and Reliability</li> <li>Sample Size</li> </ul>
<b>SC4-WS-05</b> uses a variety of ways to process and represent data	<ul> <li>Organising Data into a Data Table from an Experiment</li> <li>Interpreting Data Tables</li> <li>Graphs in Science</li> </ul>	<ul> <li>Interpreting Graphs in Science</li> <li>Column Graphs</li> <li>Line Graphs</li> <li>Matching Tables to Graphs</li> </ul>
<b>SC4-WS-06</b> uses data to identify trends, patterns and relationships, and draw conclusions	<u>Evaluating in Science</u>	
<b>SC4-WS-07</b> identifies problem-solving strategies and proposes solutions	Understanding Scientific Verbs	<u>Answering Scientific Questions</u>
<b>SC4-WS-08</b> communicates scientific concepts and ideas using a range of communication forms	<ul> <li>Writing a Scientific Report</li> <li>Creating an Infographic</li> </ul>	Building A Scientific Poster

# Stage 5

# Energy

**SC5-EGY-01** evaluates current and alternative energy use based on ethical and sustainability considerations

EP Lessons in 1. Law of conservation of energy	
<u>Conservation of Energy</u>	<u>Calculating Energy Efficiency</u>
<u>Sankey Diagrams</u>	Energy Transfer and Efficiency in Everyday Life
Energy Efficiency	
EP Lessons in 2. Sources of energy	
Sources of Energy	<u>Electricity Generation In Australia</u>
Harnessing Electrial Energy	
EP Lessons in 3. Electrical energy	
<u>Circuit Symbols and Diagrams</u>	Introduction to Ohm's Law
<u>Circuits in Series</u>	<u>Calculating Using Ohm's Law</u>
<u>Circuits in Parallel</u>	• <u>Ohm's Law</u>
<u>Comparing Circuits</u>	Energy Efficiency in Customary and Modern Appliances
<u>Class Experiment: Designing Simple Circuits</u>	

#### Disease

**SC5-DIS-01** explains how an understanding of the causes of disease can be used to prevent and manage the spread of disease

EP Lessons in 1. Homeostasis	
Basics of Homeostasis	Regulating Blood Sugar
Homeostatic Terms	<u>The Endocrine System</u>
Maintaining the Internal Environment	<u>Action of Hormones</u>
<u>Stimulus-Response Model</u>	<u>The Nervous System</u>
Negative and Positive Feedback	<u>Control Systems - Nervous vs Endocrine</u>
Modelling Human Thermoregulation	Investigation: Testing Reflexes
EP Lessons in 2. Infectious and non-infectious diseases	
Introduction to Disease	Patterns of Non-Infectious Diseases in Populations
Epidemics, Endemics and Pandemics	Disease Transmission
<u>Genetic Diseases</u>	<u>Non-Specific Defence Against Disease</u>
Diseases Caused by Environmental Exposure	<u>Specific Defence Against Disease</u>
<u>Nutritional Diseases</u>	<u>Vaccines</u>
• <u>Cancer</u>	<u>Active and Passive Immunity</u>
P Lessons in 3. Disease control and prevention	
Disease Prevention	<u>Spread of Infectious Disease</u>
<u>A Preventable Disease: Cholera</u>	Indigenous Medicine in Australia

## **Materials**

**SC5-MAT-01** assesses the uses of materials based on their physical and chemical properties

EP Lessons in 1. Resources	
Introduction to Earth's Resources	<u>Mining</u>
<u>Fossil Fuels as a Resource</u>	<u>Nuclear Fuel as a Resource</u>
<u>Soil as a Resource</u>	How First Nations Australians Used Rocks
<u>Minerals and Ores as Resources</u>	<u>Chemical Reactions of First Nations Australians</u>
EP Lessons in 2. Bonding	
Introduction to Bonding	<u>Covalent Bonding</u>
Electron Configuration of Ions	<u>Covalent Compounds</u>
Ions and Ion Formation	<u>Metallic Substances</u>
Ionic Bonds and Ionic Compounds	<u>Revision: Comparing Substances</u>
Ionic Bonding Card Game	
EP Lessons in 3. Chemistry of organic compounds	
Introduction to Organic Chemistry	Biofuels
Molecular and Structural Formulas of Alkanes	<u>Combustion Reactions</u>
<u>Naming Alkanes</u>	<u>Complete Combustion Reactions</u>
<u>Fractional Distillation</u>	Incomplete Combustion Reactions
Eossil Fuels	
EP Lessons in 4. Polymers	
Polymers	
Plastics are Polymers	
<u>Recyclable, Non-Recyclable and Biodegradable Polymers</u>	

## **Environmental sustainability**

**SC5-ENV-01** analyses the impact of human activity on the natural world

EP Lessons in 1. Sustainability		
<u>Sustainability</u>	The Importance of Planning for Australia's Urban Future	
<u>Sustainable Cities</u>	<u>Australia's Urban Future</u>	
<u>Australia's Sustainable Cities</u>		
EP Lessons in 2. Climate science		
<u>Climate and Weather</u>	<u>Effects: Temperature</u>	
Focus on Data: Examining Past Climate	<u>Carbon Capture</u>	
<u>The Greenhouse Effect</u>	Understanding and Minimising Climate Change	
<u>The Enhanced Greenhouse Effect</u>	<u>Carbon Footprints</u>	
Investigation: The Greenhouse Effect	Where Have all the Turtles Gone?	
<u>CFCs and the Ozone Layer</u>	<u>Researching Climate Change</u>	
P Lessons in 3. Impacts of present-day climate change		
<u>The Human Impact: Climate Change</u>	<u>Effects of Climate Change on Biodiversity</u>	
<u>Climate Change and Food Security</u>	<u>Computer Modelling and the Environment</u>	
Glaciers and Climate Change	<u>Comprehension: If Climate Change is Real, How Come?</u>	
P Lessons in 4. Alternative resource use and recycling		
<u>What is Pollution?</u>	Oil Pollution and Industrial Waste	
Pollution	<u>Firestick Farming and the Greenhouse Effect</u>	
Pollution and Ecosystems	First Nations' Australians' Land Management Practices	
Water Pollution and Solutions	<u>Recycling</u>	
P Lessons in 5. Environmental sustainability in context		
Scientific Writing: Arguing For or Against Climate Change		

#### Genetics and evolutionary change

SC5-GEV-01 describes the relationship between the diversity of living things and the theory of evolution

**SC5-GEV-02** explains how DNA is responsible for the transmission of heritable characteristics and can be manipulated through genetic technologies

EP Lessons in 1. DNA structure and function				
Basics of DNA	<u>The Human Genome Project</u>			
Structure of DNA	Discovering the Double Helix			
<u>Nitrogenous Bases</u>	<u>The Knotty New DNA Structure!</u>			
<u>Genes and Genetic Information</u>	Investigation: Extracting DNA			
<u>Genes to Proteins</u>				
EP Lessons in 2. Variation and inheritance				
<u>Asexual Reproduction</u>	Inheriting Alleles and Punnett Squares			
<u>Sexual Reproduction</u>	Dominant/Recessive Interactions			
<u>Mutations and Mutagens</u>	Punnett Squares			
<u>Chromosomal Abnormalities</u>	Pedigrees			
<u>Mutations and Survival</u>	<u>Sex Linkage, Punnett Squares and Pedigrees</u>			
• <u>Mendel</u>	Investigation: Modelling Inheritance of Alleles			
<u>Genotypes and Phenotypes</u>				
EP Lessons in 3. Genetic technologies				
Using Bacteria in Biotechnology and Genetic Engineering	Using Yeast			
<u>Genetically Modified Organisms (GMOs)</u>	Using Enzymes			
<u>Transgenesis: Food Production</u>	Social and Ethical Implications of Using Biotechnology			
EP Lessons in 4. The theory of evolution and evidence of natural selection				
<u>Natural Selection</u>	<u>Geological Time</u>			
Natural selection and Antibiotic resistance	<u>Australian Flora and Fauna Over Time</u>			
<u>Mechanisms of Isolation</u>	<u>The History of Evolutionary Thought</u>			
<ul> <li>Data Interpretation: Natural Selection in Action!</li> </ul>	<ul> <li>Building an Evolutionary Timeline</li> </ul>			
Adaptations of First Nations Australians				

# Reactions

**SC5-RXN-01** describes a range of reaction types **SC5-RXN-02** explains the factors that affect the rate of chemical reactions

EP Lessons in 1. Law of conservation of mass				
<u>Conservation of Mass</u>	Investigation: Conservation of Mass			
Reaction in Action: Baking Soda and Vinegar	<ul> <li>Investigation: Marshmolecules (Conservation of Mass)</li> </ul>			
<ul> <li>Data Interpretation - Breaking the Law (of Conservation of Mass)?</li> </ul>				
EP Lessons in 2. Chemical reactions				
<u>Writing Chemical Formulae</u>	<u>Neutralisation Reactions</u>			
<u>Writing Word and Chemical Equations</u>	<u>pH and Indicators</u>			
<u>Types of Chemical Reactions</u>				
EP Lessons in 3. Rate of chemical reactions				
<u>Rate of Reaction</u>	<u>Graphing Rate of Reaction</u>			
<u>Agitation, Concentration and Surface Area</u>	Investigation: Modelling Rate of Reaction: Concentration			
Activation Energy, Temperature and Catalysts	Investigation: Modelling Rate of Reaction: Temperature			
Overview: Factors Affecting Reaction Rates				
EP Lessons in 4. Nuclear reactions				
What is Radioactivity?	Nuclear Power: Risk or Opportunity			
<u>Types of Radiation</u>	<u>Effects of Radiation on Humans</u>			
Properties of Radiation	<u>Nuclear Fission</u>			
<u>Writing Nuclear Equations</u>	<u>Nuclear Fusion</u>			
Half-Lives	<u>The Power of the Atom: Unveiling the Atomic Bomb</u>			
Investigation: Skittle Half-Lives				
Uses of Radioactive Isotopes				

### **Waves and motion**

**SC5-WAM-01** describes the features and applications of different forms of waves **SC5-WAM-02** explains the motion of objects using Newton's laws of motion

EP Lessons in 1. Common properties of waves			
Properties of Waves	Uses and Hazards		
<u>The Electromagnetic Spectrum</u>	<u>EM Waves and Communication</u>		
P Lessons in 2. Sound waves			
<u>Sound Waves</u>	Indigenous Aboriginal Music		
Investigation: Slinky Waves	Sound and First Nations Australians		
<u>Pitch and Loudness</u>	<u>Ultrasound</u>		
Investigation: Investigating Pitch (Musical Bottles)	Investigation: Speed of Sound		
<u>The Ear and Hearing</u>			
EP Lessons in 3. Light waves			
<u>The Visual System</u>	Investigation: Lenses		
Light as a Wave	Drawing Ray Diagrams		
• <u>Colour</u>	<u>Refractive Index</u>		
Investigation: Colourful Candy	<u>Total Internal Reflection</u>		
Introduction to the Ray Model	Investigation: Optical Fibres		
<u>Reflection and Plane Mirrors</u>	• <u>Telescopes</u>		
<u>Reflection and Curved Mirrors</u>	Observing Space		
Investigation: Law of Reflection	Radar Ranging		
<u>Refraction</u>	<u>Satellites</u>		
• Lenses	Investigation: Build a Periscope		
EP Lessons in 4. Motion			
Motion, Speed and Velocity	Displacement, Velocity & Acceleration-Time Graphs		
<u>Acceleration</u>	Focus on Data: Graphing and Analysing Motion		
Distance-Time Graphs	Using the Acceleration Formula to Calculate Final Velocity		
<u>Speed-Time Graphs</u>	Using the Acceleration Formula to Calculate Initial Velocity		

Using the Acceleration Formula to Calculate Time	<u>Newton's Third Law</u>
Investigation: Ticker Timers	Investigation: Investigating Newton's Third Law (Balloon Rocket)
<u>Newton's First Law</u>	<u>Scalars and Vectors</u>
<ul> <li>Investigation: Investigating Newton's First Law (Egg Drop)</li> </ul>	<u>Calculating Displacement</u>
<u>Newton's Second Law</u>	Extension: Displacement and Compass Directions
<ul> <li>Investigation: Investigating Newton's Second Law (Truckapults)</li> </ul>	
EP Lessons in 5. Waves and motion in context	
• <u>5G Mobile Technology</u>	<u>Car Safety Systems</u>
Electromagnetic Radiation and Medicine	<u>Reducing Speed Limits</u>

# **Working Scientifically**

Curriculum Outcomes		
<b>SC5-WS-01</b> selects and uses scientific tools and instruments for accurate observations	<ul> <li>Observations and Inferences; Qualitative vs Quantitative</li> <li>Science Equipment</li> <li>Measuring in Science</li> </ul>	<ul> <li><u>Reading the Meniscus</u></li> <li><u>Measurement Errors</u></li> <li><u>Human Errors</u></li> </ul>
<b>SC5-WS-02</b> develops questions and hypotheses for scientific investigation	<ul> <li><u>Questioning and Hypothesising</u></li> <li><u>Research Questions</u></li> </ul>	Writing a Hypothesis
<b>SC5-WS-03</b> designs safe, ethical, valid and reliable investigations <b>SC5-WS-04</b> follows a planned procedure to undertake safe, ethical, valid and reliable investigations	<ul> <li>Safety Guidelines</li> <li>Safety Equipment</li> <li>How to Prepare a Risk Assessment</li> <li>Introduction to Ethics</li> <li>Ethics Around the World</li> <li>Control Variables and Control Groups</li> <li>Fair Tests</li> </ul>	<ul> <li>Validity</li> <li>Variables</li> <li>Accuracy</li> <li>Accuracy and Precision</li> <li>Repeatability and Reliability</li> <li>Sample Size</li> </ul>
<b>SC5-WS-05</b> selects and uses a range of tools to process and represent data	<ul> <li>Introduction to Types of Data</li> <li>Experiment and Observation</li> <li>Organising Data into a Data Table from an Experiment</li> <li>Interpreting Data Tables</li> </ul>	<ul> <li><u>Graphs in Science</u></li> <li><u>Column Graphs</u></li> <li><u>Line Graphs</u></li> <li><u>Interpreting Graphs in Science</u></li> <li><u>Matching Tables to Graphs</u></li> </ul>
<b>SC5-WS-06</b> analyses data from investigations to identify trends, patterns and relationships, and draws conclusions	<ul> <li><u>Evaluating in Science</u></li> <li><u>Writing a Discussion</u></li> </ul>	<u>Writing Conclusions</u>
<b>SC5-WS-07</b> selects suitable problem-solving strategies and evaluates proposed solutions to identified problems	<ul> <li><u>Understanding Scientific Verbs</u></li> <li><u>Bloom's Taxonomy</u></li> </ul>	<u>Answering Scientific Questions</u>
<b>SC5-WS-08</b> communicates scientific arguments with evidence, using scientific language and terminology in a range of communication forms	<ul> <li>Writing a Scientific Report</li> <li>Creating an Infographic</li> </ul>	Building A Scientific Poster