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| 1    | 1-4  | Plants            | • Identify the materials required by multicellular organisms for the processes of respiration and photosynthesis  
• Describe the role of the root, stem and leaf in maintaining flowering plants as functioning organisms | Experiment: Conditions Needed for Germination  
Activity: Identifying Plant Structures Under the Microscope |                                  |
|      | 5-7  | Chemical Substances | • Classify elements as metals or non-metals according to their common characteristics  
• Identify internationally recognised symbols for common elements | Experiment: Gas Tests  
Experiment: Activity Series of Metals |                                  |
|      | 8-10 | Electricity       | • Construct and draw circuits to show transfer of energy.  
• Describe ways in which objects acquire an electrostatic charge | Experiment: Constructing Simple Circuits  
Experiment: What Effect does Charged Objects Have on Each Other? | WRITTEN ASSESSMENT |
| 2    | 1-2  | Human Body – Digestion | • Describe the role of the digestive, system in maintaining humans as functioning organisms | Experiment: Food Tests  
Activity: Constructing a Model of the Digestive System |                                  |
|      | 3-6  | Chemical Reactions | • Distinguish between, elements, compounds and mixtures.  
• Identify when a chemical reaction is taking place by observing changes in temperature, the appearance of a new substance or the disappearance of an original substance | Activity: Molecular Model Kits  
Experiment: Chemical Reactions |                                  |
| 7 - 10 | More About Your Body | • Describe the role of the circulatory, excretory, skeletal and respiratory systems in maintaining humans as functioning organisms | Experiment: Dissection of a Heart  
Experiment: Dissection of a Kidney  
Demonstration: Pluck |
|---|---|---|---|
| 3 | 1 - 5 | Hot Stuff | Experiment: Radiation  
Experiment: Convection  
Experiment: Conduction  
Experiment: Expansion and Contraction |
| 6 - 10 | Ecology and Resources | • Identifies factors affecting survival of organisms in an ecosystem  
• Describe, using examples of food chains and food webs from Australian ecosystems, how producers, consumers and decomposers are related  
• Distinguish between natural and made resources | Activity: Constructing Food Chains and Food Webs  
Research: Natural and Made Resources |
| 4 | 1 | Light and Sound | Experiment: Light Ray Boxes  
Experiment: Tuning Forks  
Experiments: Sound Stations | WRITTEN ASSESSMENT |