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| **Year seven basic science overview** | | | | |
| weeks | Topics/Subtopic | Learning outcomes | Contain | Resource |
| 8 | Water section A introduction | Students should be able to:   * Recognize that water seeks its own level * Describe water pressure. | Water pressure | Videos |
| 9 | Water section B solution and separation. | Students should be able to:   * Define the following terms, dissolve, soluble and insoluble. * Explain the difference between solution and saturated solution. * Describe how to speed up the process of dissolving. * Describe crystal and how to grow a large crystal. | Dissolving in water, making solution and crystallizing. | Videos |
| 10 | Water section B solution and separation. | Students should be able to:   * Describe what evaporation is. * Define pure. * Describe condensing. * Define distilled water and impurities. * Define the following words, decant, residue and filtrate and filtering. * Recognize the steps of how to make salt. | Evaporating, condensing, and making salt. | videos |
| Term 2 | | | | |
| 1 | Observing living things | Students should be able to:   * Describe plants * Describe animals * State the simple external features of plants and animals * State the difference between living thing and nonliving things. | Observe describe and draw living things. | videos |
| 2 | Observing living things: keys | Students should be able to:   * Recognize how to make a key * Identify items, plants, and animals using a key. | Making and using branching and worded keys. | videos |
| 3 | Introduction to ecology | Students should be able to:   * Define adaptation. * Describe how animals adapt. * Describe how plants adapt. | Adaptation | videos |
| 4 | Introduction to ecology | Students should be able to:   * Define herbivores, carnivores and omnivore. * Describe a food chain. * Construct a food chain. | Food chain | videos |
| 5 | Reproduction, Growth, and Development: Cells | Students should be able to:   * Describe what living things are made of. * State the different steps of preparing temporary slides of animal and plant cells and observe them with a simple microscope. * Identify the different parts of a plant cell and animal cell. * Recognize the difference between plant cell and animal cell. | Cells, cells structure, plant and animal cells | videos |
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