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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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