



Australian Government



CURRICULUM LINKS

HOW THESE EDUCATION RESOURCES LINK TO CURRICULA

EXPERIMENTS

Science curriculum principles

- Develop an interest in the world around them
- To gain an understanding in the practice of science and the scientific process
- Develop an openness to new ideas and explanations

Key Learning Areas (KLAs)

- Types of matter
- Concepts of energy and physical phenomena
- Scale – structure and function
- Earth and Space – geography time and space
- Science in everyday life

Bands of learning

- Later childhood Yrs 3-6 : Building depth and breadth of knowledge
- Early adolescence Yrs 6-8 : Beginning of development of independent mind and interests

Open-ended extensions

- Performing further more complex experiments; observations of the phenomena in daily life; cross- curricula application (eg. literacy, numeracy and technology), basis for higher order thinking such as problem-solving, understanding concepts, integrating knowledge and task-driven computer use.

ACTIVITIES

Science curriculum principles

- Develop an interest in the world around them
- Develop a respect for living things and natural systems

Key Learning Areas

- Living Things – physical morphology, how living things interact with each other, how living things interact with/ rely on the environment – complexities and interdependence of systems, and life cycles.

Bands of learning

- Later childhood Yrs 3-6 : Building depth and breadth of knowledge

CURRICULUM LINKS

ACTIVITIES

Science curriculum principles

- Develop an interest in the world around them
- Develop an openness to new ideas and explanations
- Develop a respect for living things and natural systems

Key Learning Areas

- Scale – structure and function at microscopic and macroscopic levels
- Earth and Space – geography, biodiversity and living things dependent on the earth, time and space and interaction between earth and atmosphere
- Energy – concepts to explain physical phenomena, transfer and processes
- Matter – types of matter, how matter can change e.g. heating, cooling, wetting, mixing

Bands of learning

- Later childhood Yrs 3-6 : Building depth and breadth of knowledge
- Early adolescence Yrs 6-8 : Beginning of development of independent mind and interests

Open-ended extensions

- Researching particular subjects; cross-curricula application (eg. literacy); basis for higher order thinking such as understanding concepts and integrating knowledge.



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