



Steiner Education Australia

AUSTRALIAN STEINER CURRICULUM FRAMEWORK 2011

SCIENCE

LIST OF TOPICS YEARS K- 10

Each Learning Area is organised into Topics. These are content areas which can be taught as one or more integrated thematic morning blocks (Main Lessons) over 3-4 weeks, with connected review and practice lessons developing the content throughout the year.

While it is necessary for the Content Descriptions to be covered, teachers are able to use their professional judgment concerning the needs of their class: content can be recombined or reallocated into Main Lessons and practice lessons over the year.

Changes made in this version of the Document

Sept 2014 Changes made to terminology relating to Aboriginal and Torres Strait Islander peoples, as per ACARA guidelines
Topic 4.4 Title changed to Spirituality of The Dreaming

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SCIENCE TOPICS PRIMARY CLASSES K-6						
Kindergarten	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6
K.4 Nature: The Living World of Garden, Bush and Farm	1.6 Local Surrounds 1	2.5 Local Surrounds 3	3.5 Farming and Gardening	4.4 Spirituality of The Dreaming	5.1-5.2 History of Science in Ancient Cultures India-Persia, Babylon, Egypt,Greece	6.5A Geology
						6.5B Gardennng
K.5 Elements of the World	1.7 Local Surrounds 2	2.6 Local Surrounds 4	3.6 Building	4.5 Local Area:Mapping		6.6 Astronomy
K.6 Rhythms of the World				4.6 Geography of the Local Environment :Indigenous Life	5.4 Indigenous Life: Geography, History of the Region and State	6.7 Physics Acoustics, Optics, Warmth
K.7 Creative Structures				4.7 The Human Being and The Animal Kingdom	5.5 Botany	6.8 Physics Static Electricity, Earth Magnetism
Themes and other activities with Science content						
Overarching Theme: Celebrations, Festivals and Rhythms of Time						
Overarching Theme: Handcrafts						
Creative, child-initiated play					Woodwork	Woodwork
						Camp

Ref (Stockmeyer 1955, Mitchell 1995, Mackensen 1995, and Australian Steiner Schools Curriculum Documents,)

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SCIENCE TOPICS HIGH SCHOOL YEARS 7-10			
Year 7	Year 8	Year 9	Year 10
Science 7.1 Physics: Acoustics, Optics, Warmth	Science 8.1 Physical Laws- Human Organs	Science 9.1 Physics: Telephone and the Combustion Engine	Science 10.1 Physics: Mechanics
Science 7.2 Mechanics, Galvanic Electricity	Science 8.2 Chemistry of Process and Food	Science 9.2 Physics Technology: Transport and Communication	Science 10.2 Physics Technology: Making a 4 bit Adder (as one possibility) * OR Bridge Building OR Sustainable Energy construction.
Science 7.3 Introduction to Chemistry: Combustion Processes	Science 8.3 Physics of Air and Water	Science 9.3 Chemistry: Transformation of Plant Substances	Science 10.3 Chemistry: Salt Chemistry
Science 7.4 Human Biology-The Human Being in the Environment- Care of the Life Processes	Science 8.4 Electromagnetism		Science 10.4 Chemistry Technology: Salts/ Mineralogy (as one possibility)*
Science 7.5 Introduction to Chemistry	Science 8.5 Gardening	Science 9.5 Human Biology: The Bodily Basis of Intentionality	Science 10.5 Human Biology: Circulatory System and the Inner Organs
Science 7.6 Gardening Horticulture		Science 9.6 Geology: The Forces that Shape the Earth	Science 10.6 The Earth in Movement
		Science 9.7 Gardening / Horticulture	Science 10.7 Gardening / Horticulture

Ref (Stockmeyer 1955, Mitchell 1995, Mackensen 1995, and Australian Steiner Schools Curriculum Documents,)