

Theme-based learning plan

Feb/March 2017

Water

	Activity	Code	Learning points
Excursion	Presentation by the Water Corporation about the sources of our water in Perth and how to conserve it. (Homeschoolers ages 8-12)	ACHGK037	- describing how water is an available resource when it is groundwater, soil moisture, & surface water in dams, rivers & lakes, salt water - how to source water locally - How to use less water
	Number formation practice	ACELY1663	learning how each letter is constructed including where to start & the direction to follow - Still inverts/mirrors some numbers. Formation not always correct, so needs practice.
Maths	Mathletics, Khan Academy, Maths Online, Studyladder, IXL, Mathseeds	ACMMG009	sorting and describing squares, circles, triangles, rectangles, spheres and cubes - Curriculum continuation, addition/subtraction - Revision of the words for numbers (sight words) - Mathseeds lesson 49-64 - Using data to make inferences and answer questions like " how many xyz ____ "
Science	- Discuss the water Cycle. - Video of water composition - create colour blends on kitchen towel with water coloured with food colouring. Try different paper, Try clean water dropped onto texter, as well as feeding the coloured water to white flowers.	ACSSU116 ACSSU151	- considering The Water Cycle in terms of changes of state of Water - investigating factors that influence The Water Cycle in nature - explaining Why a model for The structure of matter is needed - modelling The arrangement of particles in solids, liquids and gases - The Water Cycle & states of matter - Water composition, molecules, formula - Suspension vs solution - Dilution, Absorption, Evaporation and crystal formation - Water drops on the penny - concepts of dilution, absorbtion, evaporation
History	- The great flood - The importance of the sea & water in history	ACSSU075	considering the effect of events such as floods and extreme weather on the landscape, both in Australia and in the Asia region - Archaeological evidence of marine life on moutains.
Geography	- Watch documentary about water (extreme weather, Richard Hammond)	ACHASSK015	identifying how places provide people with their basic needs (e.g., water, food & shelter) & why they should be looked after for the future - Where water is found in and on the Earth - Does water drive settlement? Why? - Does water = life on other planets? - Rivers and the stages - Water and the weather - Erosion, the water table, etc
Health	Our Human Body Book	ACSSU002	identifying the needs of humans such as warmth, food and water, using students' own experiences - Why do we need water: * composition of body * what it is used for in the body - WATER SAFETY
Phys Ed	Swimming lessons x 2	ACPPS001	describing how they feel when they are learning a new skill & what strategies they can use to persist until they are successful Freestyle & backstroke, Floating on back, gliding for 3m, water safety sequence with lifejackets and sculling
	Sports class	ACPPS001	identifying things they are good at & describing how these have changed over time Ready Steady Go homeschoolers multi-sport sessions T1
Language	How to say 'water' in five other languages: - Afrikaans - French - Japanese - Spanish - Noongar (kabi, kep, *symbol)	ACELA1426	Understand that English is one of many languages spoken in Australia & that different languages may be spoken by family, classmates & community How to say 'water' in five other languages: - water - l'eau - 水Mizu - agua - kabi, kep, *symbol
Society & Environ	Chat about water in society	ACSSU116 ACSSU004	exploring how human management of water impacts on the water cycle linking the changes in the daily weather to the way we modify our behaviour and dress for different conditions, including examples from different cultures - Saving water - OUR RESPONSIBILITIES
Tech & Ent	Charitable act	-	-
	Make a water wheel to use in the bath	ACSSU097	investigating how moving air and water can turn turbines to generate electricity - Understand how water can be used to drive turbines - various uses (agriculture, energy)
Dramatic Arts	Dance	ACPMP012	mirroring a partner while moving to music The Water Cycle Dance (see printout)
	Drama Class	-	-
Visual Arts	- Paint with water colours - Make a Water molecule - Make a River & water cycle wall display, source to sea (see printout)	ACSSU152 ACHGK037 ACHGK038	- locating elements on The periodic table - describing how water is an available resource when it is groundwater, soil moisture (green water), & surface water in dams, rivers & lakes (blue water), & a potential resource when it exists as salt water, ice or water vapour - explaining how the movement of water through the environment connects places (e.g., the melting of snow in spring feeding rivers & dams downstream) - weekly classes, some require props this term. - Watch how water affects the paper and paint - Understand how they look and fit together - 3 Stages of a river - Watched Sue Perkins' "Mekong River" episode
Music	Handel's Water Music Water-based music	ACPMP012 ACELT1579	mirroring a partner while moving to music using music & actions to enhance appreciation of rhymes, poems, chants & songs - Listen to Handel's Water Music and watch orchestra - Play glasses with different levels of water in them.
	Piano Lesson		Continue in book
Eng Language	New vocabulary words added	ACELA1437	building vocabulary through multiple speaking & listening experiences Vocab: DILUTE, ABSORB, EVAPORATE, TRANSPIRE, CONDENSE, MEANDER, SOURCE, DROUGHT, FLOOD
	New reading words	ACELY1649	reading aloud with attempts at fluency & intonation - water river wet run blue green cold up down
Eng Literacy	Phonics Writing	ACELY1663	Journaling her activities and writing about them learning how each letter is constructed including where to start & the direction to follow - Capitals and small letters, as well as numbers (still mirrors) and spaces between words
	Reading Eggs		Lesson 51 - 53
Eng Literature	- James and the Giant Peach - Charlie and the chocolate factory - My First Question and Answer book	ACELA1435 ACELA1786	- Recognise that sentences are key units for expressing ideas - exploring how The combination of print & images in texts creates meaning Reading at storytime - relaxation and love of literature. Discuss word order and its importance
Religion	Discuss their own Christening services and look at photos of them on the day.	-	-
			- Symbolism of water in religious rituals (baptism, washing). - Water in the Bible - Noah and the flood. John the Baptist
Friends	Regular weekly playdates, homeschooling activities, birthday parties, first sleepover	-	-
Family	Thursdays with Grandma	-	-
Free Play	Climbing Frames, Dolls, Craft, Music experiments, puzzles, writing letters, journal	-	-
Taking it forward	Safe, respectful understanding of the power of water, its value to life and industry, and clear strategies for using less of it each day	-	-
Resources	The Children's Bible, Handouts, Science Books, Children's Encyclopaedia, Atlas, Library books	-	-

<https://www.noongarculture.org.au/wp-content/uploads/2013/07/Noongar-Dictionary-Second-Edition.pdf>
- Children's Bible