

Topic	Kindy Activities	Equipment
	Handling Rocks	Per class or small group: • Selection of different rocks for students to examine
	Pet Rocks	Per student: • Large, smooth pebble • Craft supplies to personalise rocks e.g., markers, paints, googly eyes, plasticine
	Fossil Tales	(not an activity but a list of suggested book titles)
1. Rocks,	Fossil Kits	Fossil kits may be borrowed in WA from Australian Earth Science Education https://ausearthed.com.au/wp-content/uploads/2021/02/Kits-for-Loan_WA.pdf
Fossils & Minerals	Fake Fossils	Per student: • Textured object such as a shell, leaf or figurine • Plasticine (enough to fit object being used) Optional: • Plaster of Paris • Water • Container to mix in • Spoon • Safety glasses (to be worn when mixing up plaster) Alternative option: • Air drying clay or play dough





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1. Rocks, Fossils & Minerals	Budding Palaeontologists	Per class or batch of 'dinosaur eggs'. Quantities will vary depending on the size and number of 'eggs' being made. For Method 1 - Roughly equal amounts of sand, coffee grounds and flour Salt (about half the quantity of flour used) Water (enough to dampen mixture) Mixing bowl or container Spoon Objects to encase in 'eggs' such as dinosaur figurines Tray Hammer For Method 2 - Bicarbonate soda Mixing bowl or container Water (enough to dampen bicarb soda) Spoon Objects to encase in 'eggs' such as dinosaur figurines Tray Vinegar Dropper





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1. Rocks, Fossils & Minerals	Making Tracks Crystal Construction	Per student or small group:
	Gold Rush	*Safety note- students should NOT consume Epsom salts Per class:





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	Making Sediments &	Part 1 - Making sediments
	Rocks	Per student or small group:
		 Friable rocks (Pieces of brick may be substituted if no rocks are available)
		Newspaper or large tray
		Safety glasses
		• Gloves
		Optional:
		Mortar and pestle
		• Water
		Paintbrush and paper
1. Rocks,		Part 2 - Making rocks
Fossils &		Per student or small group:
Minerals		Paper cup
		 Epsom salts solution (1-part salts to 2-parts water)
		Sand
		Optional:
		Objects to embed in 'rock' or create imprint
	Exploration Table	Range of objects for students to independently explore. Suggestions:
		 Rocks Rulers Stationery supplies
		 Crystals Tape measures Water in eye droppers
		 Fossils Balance scales or spray bottles
		 Magnifying glasses Shells Unglazed tiles
		 Volcano models





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	What is Soil?	Per student or small group: • Gloves • Garden tools or spoons to dig with Teacher demonstration (1 set of equipment): • Soil • Glass jar or clear plastic container with lid • Water
2. Soil	How Does Your Garden Grow?	Per class: Pots or cups to grow plants in Seeds or seedlings (fast growing varieties are best) Sand Soil Water Access to equipment to view YouTube video
	Worm World	Range of suggested activities - see resource
	Water in Soil	 Per group: Three empty steel food cans with sharp edges removed Clean, dry sand (enough to fill can) Moist soil (enough to fill can) Three squares of paper big enough to cover top of can





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2. Soil	Exploration Table 2	Range of objects for students to independently explore. Suggestions:
3. Water	Puddles and Rain Protostorming Rainwear Drinking Plants	Teacher demonstration (1 set of equipment): Level concrete area outdoors Chalk Sunny day Per class (enough for all students): Range of materials to make models (items from recycling bin or craft supplies) Glue Sticky tape Per student or small group: Celery stalks with leaves on Cup Water Food colouring (red or blue give best results) Alternative option:





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3. Water	Do Plants Like Salty Water?	
	Who Needs Water?	Class discussion only (maybe pencils and paper)
	Day and Night	Class discussion only
4. Natural Processes	Shadow Play	Per student or pair:
	Seasonal Change	Class discussion only. Access to local Indigenous seasonal calendars would be useful • Class weather board





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4. Natural Processes	On Shaky Ground	 Per class: Large container of jelly to act as a 'shake table' OR stiff cardboard and balloons OR stiff springs sandwiched between sheets of wood Per student: Supplies to make towers such as dry spaghetti, marshmallows, straws, biscuits, blocks, Lego
	Lava-ly Activities	Teacher demonstration (1 set of equipment): • Candle • Matches or lighter • Container to catch molten wax *Safety note- students should NOT be allowed to touch molten wax or get close to lit candle
		 Optional - Samples of volcanic rocks - basalt, pumice, scoria, rhyolite, andesite Access to equipment to view YouTube video and/or DVD/BluRay DVD/BluRay of 'Inside Out' to view short animation 'Lava' in special features Sand pit and water Red and yellow streamers to construct classroom volcano





Topic	Kindy Activities	Equipment
	Blast Off!	Per student: • Pencil and paper • Materials to construct a space rocket (items from recycling bin or craft supplies) Teacher demonstration (1 set of equipment): • Balloon • Straw • Sticky tape • Length of string to reach across classroom
5. Space	Outta This World	Per student or small group: • Strong magnet (neodymium magnets work well) *Safety note- strong magnets can pinch fingers • Press-seal bag • Paper plate • Microscope or USB camera
	I'm Standing On Mars!	Per class: • Paper, card or fabric to make flat models of planets • Scissors





Topic	Kindy Activities	Equipment
5. Space	The Astronaut's New Clothes	
	Reading List	(not an activity but a list of suggested book titles)

