

Topic	Year 3 Activities	Equipment
	Seeing is Believing	Teacher demonstration (1 set of equipment):
		 Torch or weak point source of light
		White paper or pale coloured wall
		Clock or watch
	Light Print Paper	Per student or small group:
		A reasonably sunny day
		 Photosensitive paper. This is sometimes known as Sunprint paper
1. Sun as a Source of		• Scissors
		 Scrap paper, card, or small shapes
		A bowl or tray of water
		 Ruler or rocks to hold paper in position while drying or plastic or glass Petri
		dishes
Energy		Student worksheet
	Sun Changed Paper	Per student or small group:
		A sunny day
		• Scissors
		Ruler
		Pen or pencil
		 An A4 sheet of white or coloured paper
		 4 or 5 same sized strips of different white papers. (e.g. copy paper, kitchen
		towel, a paper napkin and the unprinted strip from the edge of a newspaper)
		Glue
		Student worksheet





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	PPP - Think Ink	Take home activity - Equipment per student:
		Student worksheet
		A sunny day
		Scissors
		Ruler
		Pen or pencil
		An A4 sheet of white or coloured paper
		 4 or 5 different coloured sticky notes or highlighter pens
	What Colour is White	Per student or small group:
	Light?	Fireworks glasses or diffraction glasses
1. Sun as a		Student worksheet
Source of		Alternate activity:
Energy		CD per student or small group
	Sunlight Source	Per student:
		Scrap paper
		Student worksheet
		SmartBoard, whiteboard, or blackboard
	Invisible Light	Per student:
		Hat
		 1 x UV bead on half a pipe cleaner (Pale yellow beads are the least sensitive to UV
		light)
		 A UV torch (if possible)
		Student worksheet





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	Changing Christmas	Per student:
	Baubles	 Activity worksheet (colour print)
	Word Wall	Per student:
		Activity worksheet
	What is Hot?	Per student:
		Activity worksheet
	Parallax Error	Per pair of students:
		Ruler
		Activity worksheet
	Cool School	Per student:
1. Sun as a		Activity worksheet
Source of	Prediction & Testing	Per student or small group:
Energy		• Thermometer
		Rough map of school or classroom
		Activity worksheet
	Heat from the Sun	Per student
		Activity worksheet
	Sunlight and Shade	(Quantities variable as this experiment is designed by students)
		Paper towel
		Water
		Teaspoons
		Timer or clock
		Activity worksheet





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	What the Sailor Saw	Per student:
		Activity worksheet
	Earth Spins	Teacher demonstration (1 set of equipment):
		Swivel chair
		 Short pendulum made from piece of string and a weight
2. Earth		Paper with large arrow drawn on it
Spins	Time Words	Per student:
Spiris		Activity worksheet
	Day & Night	Teacher demonstration (1 set of equipment):
		 Globe, round balloon or large round ball (e.g. basketball)
		 Bright light source (bright torch or lamp)
		 Several small figurines or paper people cutouts
		Blu-tack or tape to attach figures to 'globe'
	Aboriginal Time	Per student:
		Activity worksheet
	Day v Night	Teacher's notes (guided class discussion)
	Time Vocabulary	Teacher's notes (guided class discussion)
2 Timescales	Midday Around the	Class demonstration (1 set of equipment):
3. Timescales	World	 A3 size (or larger) world map cut into 24 equal north/south strips (one is
		provided in resource)
		Powerful torch
	12 Hours	None - teacher background information only





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	Timely Fractions	Per student:
		 Activity worksheet
	Book of Hours	Per student:
		 Activity worksheet
		 Coloured pencils/markers/crayons
3. Timescales	Relative Time Graph	Per student:
		 Graph paper or activity worksheet
		 Three different coloured pencils
	Time Zones	Per student, small group or class:
		 Student devices with internet access or projector linked to teacher computer
	Solar & Sidereal Day	2 people to demonstrate for class
	Investigating	Per pair of students:
	Shadows	Sunny day
		 Outdoor area in the sun (remember Sun Safety!)
		 Activity worksheet
	Shadow Graph	Per pair or small group:
4. Shadows		 Compass or school map to know which way is south
T. Shadows		Sunny day
		 Hard smooth outdoor surface such as concrete, bricks or bitumen
		 Activity worksheet
		Ruler or measuring tape
		Watch or clock
		Chalk





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4. Shadows	Shadows & Art	None - teacher background information
5. Sundials	Nodal Sundial T Bar Sundial	Per student: • Activity worksheet (Optional - Card or flat wood to construct base of compass) • Small blob of Blu-Tack, plasticine or play dough • Pencil • Ruler Per class or small group: • Compass (could be phone app) or school map showing compass directions • Clock or watch Per student: • Activity worksheet • Ruler • Pencil • Cardboard • Scissors • Masking or sticky tape • Chalk or marker Per class or small group:
		 Compass (could be phone app) or school map showing compass directions





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5. Sundials	PPP - Digital and	Per student:
6. Sun, Earth & Moon	Analogue Time Getting the Right Perspective Modelling to Scale	 Activity worksheet Open space such as oval, undercover area or hall Per student: Activity worksheet Per pair of students: Ruler Per student: Activity worksheet Ruler





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6. Sun, Earth & Moon	Rotation and Orbit Models	Per student or small group of students: • Three sheets or coloured paper or card (alternatively, paint or colour the finished model) • Pen or pencil • Ruler • Scissors • Three split pins • Nail or pin to pierce paper Per small group of students: • Side plate (15-18cm diameter), cup, round bottle lid to trace around
	Worship the Sun	Per student: • Student worksheet • Poster making materials

