



## List of equipment for PALMS Year 1 Activities

Topic	Year 1 Activities	Equipment
1.Senses	Senses Words	Per student: <ul style="list-style-type: none"><li>• Student worksheet</li></ul>
	Using Your Senses	Per student: <ul style="list-style-type: none"><li>• Student worksheet</li></ul> Optional: 'Looking tube' (cardboard or plastic tube to help focus student observations)
	Kim's Game	Teacher demonstration (1 set of equipment): <ul style="list-style-type: none"><li>• Variety of familiar objects from the classroom</li><li>• Cloth, paper or towel to cover them</li></ul>
	PPP - Senses and Slime	Take home activities  <i>Senses activities.</i> Equipment per student: <ul style="list-style-type: none"><li>• Blindfold (beanie or hat or a tea towel work well)</li><li>• Range of objects to identify by smell, touch or sound</li><li>• Variety of familiar objects from the house</li><li>• Cloth, paper or towel to cover them</li></ul> <i>Ordinary slime activity.</i> To make one small batch: <ul style="list-style-type: none"><li>• Zip lock bag</li><li>• Tablespoon measure</li><li>• 1 tablespoon PVA glue</li><li>• 1 tablespoon borax dissolved in <math>\frac{1}{2}</math> cup of water</li><li>• Food colouring (optional)</li></ul>



## List of equipment for PALMS Year 1 Activities

Topic	Year 1 Activities	Equipment
1.Senses	PPP - Senses and Slime cont.	<p><i>Superslime activity.</i> To make one batch:</p> <ul style="list-style-type: none"><li>• Medium sized mixing bowl</li><li>• Jug or small soft drink bottle</li><li>• Pop stick</li><li>• Spoon</li><li>• 400mL (1½ cups) warm water</li><li>• 4 heaped teaspoons borax</li><li>• 2 teaspoons glycerine</li><li>• 1g (½ teaspoon) guar gum</li><li>• Food colouring (optional)</li></ul> <p>*<b>Safety note</b> - slime not to be ingested. Keep away from younger children.</p>
2. Weather Changes	Weather Words	Per student: <ul style="list-style-type: none"><li>• Student worksheet</li></ul>
	Rain, Lovely Rain	Teacher's notes (guided class discussion)
	Rain and Senses	Per student: <ul style="list-style-type: none"><li>• Student worksheet</li></ul>
	Rain Making	Teacher demonstration (1 set of equipment): <ul style="list-style-type: none"><li>• Zip lock bag</li><li>• Hot water (enough to half fill bag)</li><li>• Container of icy cold water</li></ul>



## List of equipment for PALMS Year 1 Activities

Topic	Year 1 Activities	Equipment
2. Weather Changes	Make a Rain Gauge	Per student or small group: <ul style="list-style-type: none"><li>• Pre-cut small soft drink or water bottle (top section cut off with bread or craft knife and upended to form a funnel. It's recommended to tape the cut edges with electrical tape)</li><li>• A few clean stones</li><li>• Plastic ruler</li><li>• Watering can or large water bottle</li></ul>
	Read a Rain Gauge	Per student: <ul style="list-style-type: none"><li>• Student worksheet</li></ul>
	Rainfall Graph	Per student: <ul style="list-style-type: none"><li>• Student worksheet</li><li>• Completed student worksheet from Read a Rain Gauge activity</li></ul>
	Changes in Weather	Per student: <ul style="list-style-type: none"><li>• Student worksheet</li></ul>
	Make Clouds	Teacher demonstration (1 set of equipment): <ul style="list-style-type: none"><li>• Bicycle pump with connector hose attachment</li><li>• Large clear plastic bottle (minimum 1.25L)</li><li>• Cap for bottle with 0.5cm hole drilled through</li><li>• <math>\frac{1}{2}</math> cup measuring cup</li><li>• Warm water</li><li>• Matches</li><li>• Blu-tack</li></ul>





## List of equipment for PALMS Year 1 Activities

Topic	Year 1 Activities	Equipment
2. Weather Changes	Blue Skies	Teacher demonstration (1 set of equipment): <ul style="list-style-type: none"><li>• Darkened room</li><li>• Large clear glass beaker, jar or drinking glass</li><li>• Water</li><li>• 1 tablespoon milk</li><li>• Dropper or teaspoon</li><li>• Torch</li></ul>
	Make a Rainbow	Teacher demonstration (1 set of equipment): <ul style="list-style-type: none"><li>• Outdoor area early on a sunny day</li><li>• Garden hose connected to tap</li></ul>
	Testing Guesses	Per student: <ul style="list-style-type: none"><li>• Student worksheet</li></ul>
	Changes in Temperature	Teacher's notes (guided class discussion)
	Temperature and Senses	Per student: <ul style="list-style-type: none"><li>• Student worksheet</li></ul>
	Hot and Cold Hands	Teacher demonstration (1 set of equipment): <ul style="list-style-type: none"><li>• Three bowls or basins big enough for hand to be covered</li><li>• Newspaper or towels for spills</li><li>• Hot, icy and tepid water.</li></ul> <p>*<b>Safety note:</b> Hot water should not be hot enough to cause burns.</p>





## List of equipment for PALMS Year 1 Activities

Topic	Year 1 Activities	Equipment
2. Weather Changes	Temperature and Smells	Teacher demonstration (1 set of equipment): <ul style="list-style-type: none"> <li>• Incense stick or scented candle and matches</li> <li>• Cup of hot coffee and cup of cold coffee (Alternative - instant soup)</li> <li>• Handful of dried gum leaves, matches and two saucers</li> <li>• Saucer and two globs of scented hand cream, liquid soap or vinegar</li> </ul> Per student: <ul style="list-style-type: none"> <li>• Student worksheet</li> </ul>
	Dressing for Temperature	Per student: <ul style="list-style-type: none"> <li>• Student worksheet</li> </ul>
	Wind	Teacher's notes (guided class discussion)
	Wind and Senses	Per student: <ul style="list-style-type: none"> <li>• Student worksheet</li> </ul>
	Flying Feather	Per student or small group: <ul style="list-style-type: none"> <li>• Small lump of plasticine or playdough</li> <li>• Short length of straw (approx. 3.5cm)</li> <li>• Feather with quill or feather shape cut from cardboard</li> </ul> Optional: dinosaur figurines to engage students' interest
	Pointing Pencil	Per student or small group: <ul style="list-style-type: none"> <li>• Small lump of plasticine or playdough</li> <li>• Pencil</li> <li>• Sticky tape</li> <li>• Streamers, ribbon, paper tape or strips of paper (able to catch the wind)</li> </ul> Optional: School map, compass or phone app to tell wind direction





## List of equipment for PALMS Year 1 Activities

Topic	Year 1 Activities	Equipment
2. Weather Changes	Tea Bag Testing or Leaf Looking	Per student or small group: <ul style="list-style-type: none"> <li>• Tea bag emptied of tea leaves (cut small strip from bottom of bag)</li> <li>• OR large leaf tied to length of string or thread</li> </ul> Optional: fan or hair dryer if unable to take the students outside
	Change in Wind	Per student: <ul style="list-style-type: none"> <li>• Student worksheet</li> </ul>
	Weather in the Sky	Per student: <ul style="list-style-type: none"> <li>• Student worksheet</li> </ul>
	Two Day Weather Report	Per student: <ul style="list-style-type: none"> <li>• Student worksheet</li> </ul>
	PPP - Build Your Own Weathervane	Take home activities. Equipment per student: <ul style="list-style-type: none"> <li>• Sand or soil in a small bottle or tin can</li> <li>• Half a drinking straw</li> <li>• Wooden skewer (or thin dowel) with point removed</li> <li>• Cardboard or plastic (such as ice cream container lid) to make arrow</li> <li>• Sticky tape</li> <li>• Student worksheet</li> </ul>
3. Day and Night	Day and Night Words	Per student: <ul style="list-style-type: none"> <li>• Student worksheet</li> </ul>
	Day and Night Words - Part 2	Per student: <ul style="list-style-type: none"> <li>• Student worksheet</li> </ul>
	Music Appreciation	Access to recording of Clair de Lune (Moonlight) by Debussy and equipment to play it. Link to You Tube version in resource.





## List of equipment for PALMS Year 1 Activities

Topic	Year 1 Activities	Equipment
3. Day and Night	Time Wristband	Per student: <ul style="list-style-type: none"> <li>• Ruler</li> <li>• Strip of plain paper approx. 30cm long (A4 paper length) and 2cm wide</li> <li>• Glue</li> <li>• Coloured pencils or pens</li> <li>• School session times</li> </ul>
	Acting Time!	Per student: <ul style="list-style-type: none"> <li>• Student (Time) wristband prepared in previous activity</li> </ul>
4. Landscape Changes and Timescale	Landscape Changes and Timescale	Teacher's notes (guided class discussion)
	Dog and Landscape	Per small group or class: <ul style="list-style-type: none"> <li>• 12 or more laminated pictures of Natural, Managed and Constructed landscapes</li> <li>• OR photographs included in resource, projected onto classroom screen</li> <li>• 4 different coloured whiteboard markers</li> </ul>
	Aboriginal Dreaming	Teacher's notes (guided class discussion)
	Sandpit Landscapes	Per class: <ul style="list-style-type: none"> <li>• Sandpit and rocks (or cement)</li> <li>• Four containers of water (ice cream containers are ideal size)</li> </ul> Per student or small group: <ul style="list-style-type: none"> <li>• Buckets and spades</li> <li>• Straw, eye dropper or Pasteur pipette</li> </ul>





## List of equipment for PALMS Year 1 Activities

Topic	Year 1 Activities	Equipment
4. Landscape Changes and Timescale	Puddles	Teacher demonstration (1 set of equipment): <ul style="list-style-type: none"><li>• Buckets of water</li><li>• Sticks of chalk (different colours if possible)</li><li>• Clock or watch</li></ul> Alternative for teachers who don't have class for whole day - photograph from resource
	Salt Lakes	Per small group: <ul style="list-style-type: none"><li>• Take away container, saucer, bowl or bottom of soft drink bottle</li><li>• 2 tablespoons of salt (Optional - also add 1 tablespoon of gypsum)</li><li>• 6 tablespoons of damp (not wet) sand</li><li>• Water</li><li>• Pasteur pipette, dropper or straw</li><li>• Something to raise up one end of container to make a gentle slope</li></ul>