



Year 1 - Teacher Introduction

The Primary Australian Literacy Mathematics & Science (PALMS) Program aims to enrich and support the teaching of earth science from Kindergarten to Year 5 across Australia. This will be achieved by providing, within the mandated Earth and Space Science curriculum, hands-on activities integrating aspects of Chemical Sciences, Physical Sciences and Biological Sciences as well as relevant components of English, Mathematics and other subjects into teaching packages.

These teaching packages will be made available at www.palms.edu.au.

LOCAL ENVIRONMENTS & PATTERNS ON EARTH

Activities marked **PPP** (PALMS PARENT POWER) are ones you may wish to send home with the students to do with their parents or by themselves.

They replay the concepts recently covered in Science. Studies demonstrate that if a student describes what they have learned to another, they deepen their own understanding and retain it longer.

| Topic No. | Topic | Activities | Student Worksheet | Subjects | Page No. |
|-----------|-----------------|-------------------------------|-------------------|---------------------------------|----------|
| 1 | Senses | Senses Words | √ | Science + English | 1 + 5 |
| | | Using Your Senses | √ | Science + Mathematics | 2 + 6 |
| | | Kim's Game | | Science + English | 9 |
| | | PPP - Senses and Slime | | Science + English + Technology | 12 |
| 2 | Weather Changes | Weather Words | √ | Science + English | 16 + 17 |
| | | Rain, Lovely Rain | | Science + English | 18 |
| | | Rain and Senses | √ | Science + English + Mathematics | 18 + 28 |
| | | Rain Making | | Science | 19 |
| | | Make a Rain Gauge | | Science + Technology | 19 |





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|-----------------|-----------------|--------------------------|-------------------|-----------------------|----------|
| 2 | Weather Changes | Read a Rain Gauge | ✓ | Science + Mathematics | 21 + 29 |
| | | Rainfall Graph | ✓ | Science + Mathematics | 22 + 30 |
| | | Changes in Weather | ✓ | Science + English | 23 + 31 |
| | | Make Clouds | | Science | 24 |
| | | Blue Skies | | Science | 24 |
| | | Make a Rainbow | | Science | 26 |
| | | Testing Guesses | ✓ | Science + Mathematics | 27 + 32 |
| | | Changes in Temperature | | Science + English | 33 |
| | | Temperature and Senses | ✓ | Science + English | 33 + 39 |
| | | Hot and Cold Hands | | Science | 35 |
| | | Temperature and Smells | ✓ | Science | 36 + 40 |
| | | Dressing for Temperature | ✓ | Science + English | 37 + 41 |
| | | Wind | | Science + English | 42 |
| | | Wind and Senses | ✓ | Science + English | 43 + 49 |
| | | Flying Feather | | Science + Technology | 44 |
| Pointing Pencil | | Science + Technology | 45 | | |





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|-----------|---------------------------------|--|-------------------|--------------------------------|----------|
| 2 | Weather Changes | Tea Bag Testing or Leaf Looking | | Science + Technology | 46 |
| | | Change in Wind | | Science + English | 47 |
| | | Weather in the Sky | ✓ | Science + English + Technology | 50 + 52 |
| | | Two Day Weather Report | ✓ | Science + English | 50 + 53 |
| | | PPP - Build Your Own Weather Vane | | Science + Technology | 54 |
| 3 | Day and Night | Day and Night Words | ✓ | Science + English | 56 + 61 |
| | | Day and Night Words - Part 2 | ✓ | Science + English | 57 + 63 |
| | | Music Appreciation | | Music | 58 |
| | | Time Wristband | | Science + Technology | 58 |
| | | Acting Time! | | Science + Drama | 60 |
| 4 | Landscape Changes and Timescale | Landscape Changes and Timescale | | Science + History | 64 |
| | | Dog and Landscape | ✓ (pictures) | Science + Geography | 67 + 73 |
| | | Aboriginal Dreaming | | Science + History | 69 |
| | | Sandpit Landscapes | | Science | 70 |
| | | Puddles | | Science + Mathematics | 94 |
| | | Salt Lakes | | Science | 95 |





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Australian Curriculum - Earth and Space Sciences

Observable changes occur in the sky and landscape (ACSSU019)

Elaborations

- Exploring the local environment to identify and describe natural, managed and constructed features
- Recording short and longer time patterns and events that occur on Earth and in the sky, such as the appearance of the moon and stars at night.

Major concepts also included:

Being, becoming, belonging

English

- Language for different text & purposes
- Communication
- What is happening?
- What is being described?
- Who or what is involved?

Mathematics

- Number line
- Half & whole
- Hours, days, months
- Will happen/won't happen?
- Represent data as drawings

Geography and History

- Change over time

