



## 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](http://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
		<b>PPP</b> - 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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Topic No.	Topic	Activities	Student Worksheet	Subjects	Page No.
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
		Changes in 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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Topic No.	Topic	Activities	Student Worksheet	Subjects	Page No.
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
		<b>PPP</b> - 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
		Student 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 Dreamtime		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

