# YEAR 1
# STEM Project

## Science Technology Engineering and Mathematics

## (STEM) Projects – Student Booklet

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# *Observing My Changing World*

## *Introduction*

In this booklet, you can record all the observations you make of changes in the sky and landscape!

## *Contents*


1. *Now and Then*
2. *Observing Changing Weather*
3. *Observing Changing Seasons*
4. *Observing Changing Landscapes*

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## *Now and Then*

Draw the landscape

Draw the landscape you can see NOW
Date:

Draw what you think the same landscape will look like at NIGHT
Date:

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Draw what you think the same landscape will look like NEXT LESSON
Date:

Some words you can use to label your picture:

- tree
- lamp post
- fence
- plant
- sign
- building
- car
- cloud
- sky
- bird
- footpath
- Sun

What are some other words you could use?

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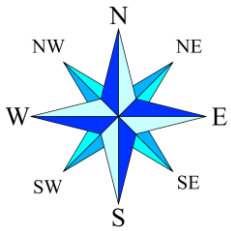
## *Observing Changing Weather*

Record your weather observations in the table below

| | |
|---|---|
| Date | |
| Time | AM / PM |
| Temperature (°C) | |
| Wind direction (circle one) |   |
| Rainfall amount (mm or mL) | |
| It is… (circle one) | CLOUDY RAINY SUNNY WINDY |
| Draw the sky today | |

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## *Observing Changing Seasons*

Draw the four seasons below

### SUMMER

This season is in (shade in)

| JAN | FEB | MAR | APR | MAY | JUN |
|---|---|---|---|---|---|
| JUL | AUG | SEP | OCT | NOV | DEC |

### AUTUMN

This season is in (shade in)

| JAN | FEB | MAR | APR | MAY | JUN |
|---|---|---|---|---|---|
| JUL | AUG | SEP | OCT | NOV | DEC |

### WINTER

This season is in (shade in)

| JAN | FEB | MAR | APR | MAY | JUN |
|---|---|---|---|---|---|
| JUL | AUG | SEP | OCT | NOV | DEC |

### SPRING

This season is in (shade in)

| JAN | FEB | MAR | APR | MAY | JUN |
|---|---|---|---|---|---|
| JUL | AUG | SEP | OCT | NOV | DEC |

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Indigenous seasonal calendar we learnt about

This is the _____ seasonal calendar.

There are _____ seasons.

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## *Observing Changing Landscapes*

Record your changing landscape observations in the boxes below

What the landscape models looked like before adding water

| | | |
|---|---|---|
| | | |

What the landscape models looked after 20 drops of water

| | | |
|---|---|---|
| | | |

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What the landscape models looked after 50 drops of water

| | | |
|---|---|---|
| | | |

What the landscape models looked after all the water was poured on

| | | |
|---|---|---|
| | | |

Which landscape model changed the most overall?

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