



## Lines of Inquiry

- There are different seasons throughout the year
- Seasons affect us
- Seasons effect the environment
- We make changes depending on the seasons

## At Home You Can Help!

At home you can help by:

- Asking your child to discuss what they see in the environment during Autumn/Winter
- Discussing the seasons in other countries, especially in the northern hemisphere
- Call an international friend or relative and ask them about the current season or changes that they make during winter as a contrast to our Australian winter



## How The World Works

### CENTRAL IDEA

The seasons are a natural phenomenon, which affects the world around us and impacts on our daily lives.

In the PYP, science is viewed as the exploration of the biological, chemical and physical aspects of the natural world and the relationships between them. Our understanding of science is constantly changing and evolving.

## Concepts

WHAT DO WE WANT STUDENTS TO UNDERSTAND ABOUT SCIENCE?

### Change How is it changing?

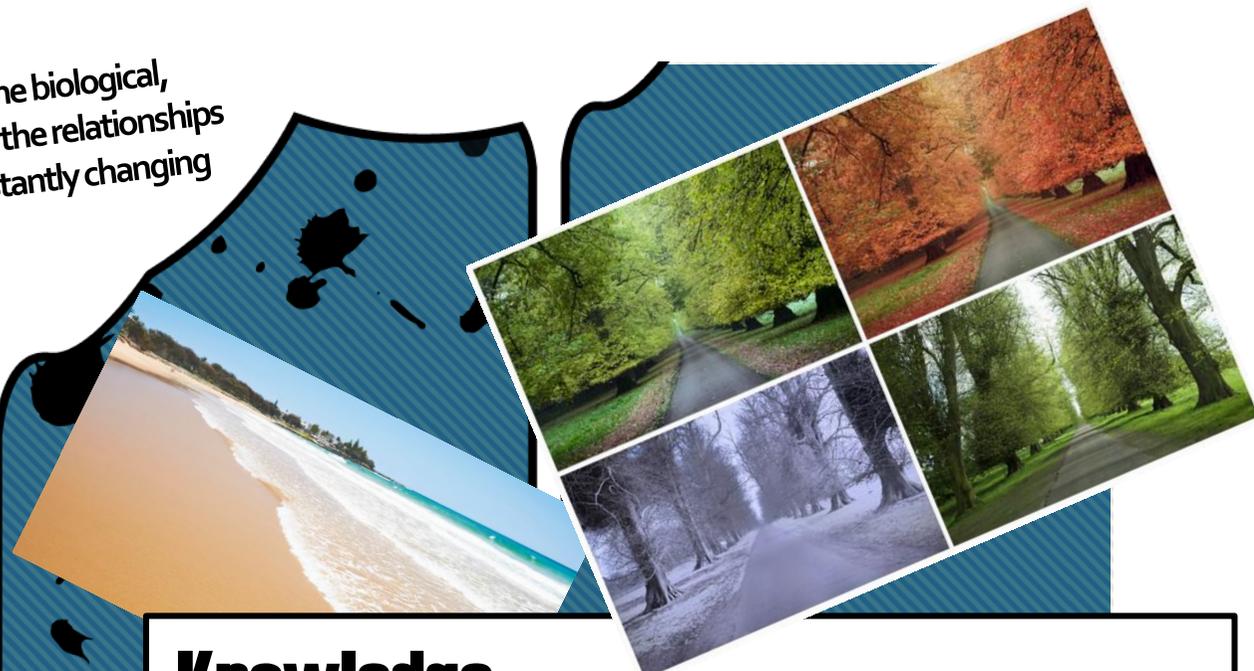
The concept of change, also described as transformation, is a pervasive concept in Science. Change is an inevitable aspect of the physical world as things become different or pass from one form to another. It can be natural or be brought about and accelerated by outside influences.

### Connection How is it connected to other things?

The world is full of interacting systems that depend on each other to form a working whole.

### Causation Why is it like it is?

The effect brought about by an intended or unintended action or reaction.



## Knowledge WHAT DO WE WANT STUDENTS TO LEARN?

In this unit students will explore the natural world and the cycle of seasons. They will consider why the seasons change and understand why the seasons are different in each of the hemispheres of the earth. They will explore the changes that humans make as the changes in the environment occur.

## Skills WHAT SKILLS WILL BE DEVELOPED THROUGH THIS INQUIRY?

**Thinking skills:** Through scientific inquiry, students will acquire new knowledge and apply their understanding to new contexts.

**Research skills:** Students will acquire new knowledge by formulating their own questions, collecting and interpreting data to present their understandings.

## Attributes HOW DO WE WANT STUDENTS TO ACT?

As scientists, students will **inquire** with an **open-mind** demonstrating **curiosity** and **confidence**.