

# ICEBERG CREATION

## - EARTH & BEYOND -



**CURRICULUM AREA:** Science

**TARGET YEAR LEVEL/S:** Years 5 – 7

**CLASS TIME:** 40 minutes

## LESSON BACKGROUND

This is a follow up to the 'Iceberg! Right Ahead!' lesson. Once students understand that the creation of icebergs is caused through the compression of ice, that understanding can be put into effect by creating a miniature iceberg using the same principle.

## OUTCOMES

- Students understand how the physical environment on Earth and its position in the universe impact on the way we live.

## PREPARATION

- Crushed ice, placed in an 'esky' for easy access
- Polythene bags. Enough for one between two

## STUDENT ACTIVITY

- 1) Before beginning, recap with students the Iceberg Cycle
- 2) Tell the students that you are actually going to recreate part of the cycle using ice.
- 3) One at a time, students collect a reasonable amount of crushed ice, and compact into ONE corner of their Polythene bag. Wait for the ice to melt slightly, replicating the melt process, and then continue to compact the ice until you have a solid mound. An Iceberg.
- 4) Ask students to use their understanding of the Iceberg Cycle to explain how their iceberg can keep its shape and not melt.

## EXTENSION

- Students can then attempt to float their 'icebergs' in tanks of water... watch what happens. Does it sink? Why? Does it melt? Why?
- Use a tank full of ice cold water, and then see if that makes a difference.