

# COUNTING COLOURS

EXPERIMENTING WITH EARLY  
YEARS LEARNING.

Health and Wellbeing;

In everyday activity and play, I explore and make choices to develop my learning and interests. I am encouraged to use and share my experiences.

**HWB 0-19a**

Writing;

As I play and learn, I enjoy exploring interesting materials for writing and different ways of recording my experiences and feelings, ideas and information.

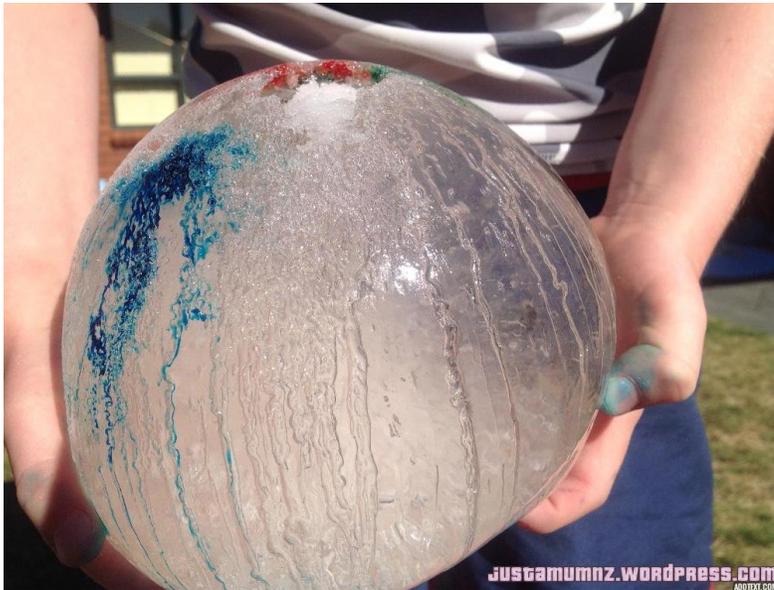
**LIT 0-21b**

Numeracy and Maths:

*I can collect objects and ask questions to gather information, organising and displaying my findings in different ways.* **MNU 0-20a**

*I can match objects, and sort using my own and others' criteria, sharing my ideas with others.* **MNU 0-20b**

*I have explored numbers, understanding that they represent quantities, and I can use them to count, create sequences and describe order.* **MNU 0-02a**



## BALLOON FREEZING

- Place a mixture of colored buttons or beads into a balloon
- Fill up the balloon with water
- Place outside if the temperature is due to fall below 0 degrees. Otherwise place in a freezer.
- Check the balloon after a few hours by feeling to see if it has frozen. You could make a chart to record how many times you have checked the balloon.
- When frozen cut top off the balloon and peel back the balloon until the ice sculpture is completely visible.

# MELTING & MIXING

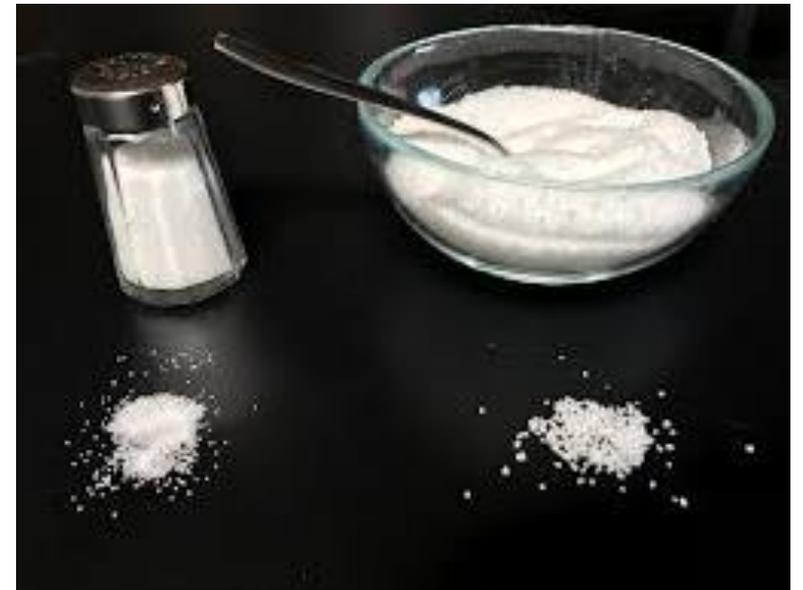
Allow your child to experiment with a mixture of different items, This can be done by providing a variety of colors for mixing and pouring over the ice.

- Is the ice melting ?
- What colours can you see?
- What happens when you pour salt on top?

Suggestion;

If you have scales available you could weigh the ice sculpture before it has melted and then weigh it again after some has melted to see how it has changed

You could make a chart, draw or take photos to record what happens, how long it takes to melt. Which sets you have made from the colours.



CLICK TO ADD TEXT

When Ice has melted and the buttons/beads are loose, match the buttons/beads to coloured tubs or sort them into different piles. This can be done using hands or tweezers. After the colours are matched to the tubs, you can now count the individual colours and write or copy the number on a piece of paper.

Extended activity: Freeze the left-over water and food colouring overnight. In the morning if the water has turned to ice break apart the sculpture in a tray and investigate the ice crystal shapes/colours.

