

Activity Lesson Plan

Date: Monday 20 th April 2020	
Activity Title: Rescue the Penguins!	
Learning Intention: <ul style="list-style-type: none"> To find and use different ways to melt ice and rescue animals. 	Activity Overview: Think of different ways to rescue animals out of ice.
Links to EYFS: Understanding the World: <ul style="list-style-type: none"> Can talk about some of the things they have observed such as plants, animals, natural and found objects. Talks about why things happen and how things work. Physical Development: <ul style="list-style-type: none"> Shows control in holding and using jugs to pour. Uses one-handed tools and equipment. 	
Resources: <ul style="list-style-type: none"> Step-by-step instructions Freezer safe container Water Small plastic penguins or other small animals/items you have at home Paint (optional) Salt Tools to transfer the water (e.g. spoon, pipette, small cup) Tools to break the ice (e.g. wooden hammer) Tray 	Key vocabulary: Ice, melt, rescue, pour, water, salt, spoon, pipette
ACTIVITY IMPLEMENTATION (including key question)	
<p>Note: This activity requires some time to allow the water to freeze. We suggest starting the activity in the morning and continuing with it in the afternoon or the following day.</p> <p>Introduction:</p> <ul style="list-style-type: none"> Recap/read the story of the day <i>Where Snowflakes Fall</i>. Talk to you child about the Arctic, cold weather, snow and ice. <p>*Do you know what ice is? Where does it come from?</p> <p>*How does ice/snow feel when you touch it?</p> <p>*What happens with ice/snow when it is warm outside?</p> <p>Main Activity:</p> <ul style="list-style-type: none"> Explain to your child that you are going to have some fun freezing small plastic animals/items and then find ways to rescue them from the ice. Show them the attached step-by-step photo instructions to have a better idea of what they are going to do. Ask your child to put the animals/items into the container and fill it with water. (Make sure not to fill it up to the rim as water expands in volume when frozen.) Put the container into the freezer and allow it to freeze. <p>*Do you know why we are putting the container into the freeze?</p> <p>*What will happen with the water inside?</p> <ul style="list-style-type: none"> Once the animals/items are frozen, run a small amount of lukewarm water on the outside of the container to free the ice. 	

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- Place it on the tray and ask your child to think of the ways to melt the ice and free the animals/items faster.
- *What do you think we should use to make the ice melt?
- *Shall we try cold or **warm water**?
- *Ok, try to pour some warm water over the ice? What is happening?
- *Did you know that **salt** helps to melt ice? Even the roads get salted so the ice melts quickly and cars don't slip. Shall we sprinkle some salt and see?
- *What would you like to use to **break the ice**?
- *Shall we try to leave the ice **in the sun**?
- Have fun rescuing the animals/items!

Challenge:

- Encourage your child to experiment with various things, even the silly ones, to melt the ice faster. You can use sugar, flour, piece of playdough or paper to test if they help to melt the ice quicker.

Additional ways to support your child:

Have fun with your child. Let them explore the ice and talk about how it feels when they touch it. Help them dip the ice in the warm water to melt it quicker.

Extension:

Suggest to your child to do the "Fishing for Ice" science experiment. It is an easy and quick experiment that requires a cup/bowl, water, ice, string and salt and it shows how salt helps to melt the ice quicker.

Rescue the Penguins!



Resources:

- Freezer safe container
- Water
- Small plastic penguins or other animals you have at home
- Paint (optional)



1. Colour the water with paint of your choice.



2. Put the small animals into the container and carefully pour water inside.



3. Cover the container firmly with the lid.



4. Put the container into the freezer.



Resources:

- Frozen animals
- Warm water
- Salt
- Tools to transfer the water (e.g. spoon, pipette, small cup)
- Tools to break the ice (e.g. wooden hammer)



5. Talk about the different ways how to make the ice melt faster. Use warm water and observe what is happening.



6. Try dipping the ice block in the warm water.



7. Use salt to see if it helps the ice to melt faster.



8. First penguin rescued!