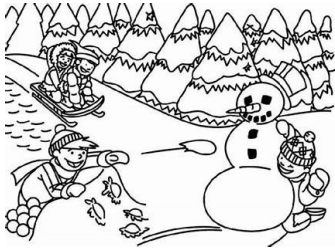




Tullynessle School Snowpack



| Literacy | Numeracy | Health and Wellbeing | Science and Technology | Expressive Arts |
|---|---|---|--|--|
| Read a book of your choice. | Make a symmetrical snowflake. | Help cook a healthy winter soup. | Make Winter's Diamonds (instructions below) | Draw / paint a snowy scene. Look out of your window for inspiration. |
| Write a winter poem or story and add illustrations. | Use 2D shapes to make a winter picture. | For an aerobic workout go sledging. | Where's the North Pole? (instructions below) | Build a snow sculpture of your favourite animal. |
| Find as many Scots words as you can for snow and create a dictionary or word wall | Plan a family meal calculating the costs of the meal per person. | Help clear away snow, check your pulse before you start and after you finish. | Make a Bird Feeder (instructions below) | Paint the snow using food colourings. |
| Create a scrapbook or diary about a winter adventure. | Snowball Maths (instructions below) | Go for a walk in the snow. | How clean is snow? (instructions below) | Make puppets or use toys to act out your favourite story. |
| Make an animal and write the instructions on how to this. Remember to include pictures. | Make a game to help you learn your multiplication tables or number bonds. | Snowball Relay Race. Place snowballs around the garden and time how long it takes to run to each one. | Using soapy water blow bubbles using a straw and watch them freeze. Add food colouring for more fun. | Create a winter dance. |



Tullynessle School Snowpack



Mathematics and Numeracy

Snowball Maths

For this challenge make a lot of snowballs. Challenge your child to either throw the snowballs at a target or into a box whenever they get a maths question correct. For an extra challenge ask your child to make up questions for you to answer or have several targets with points for scoring.





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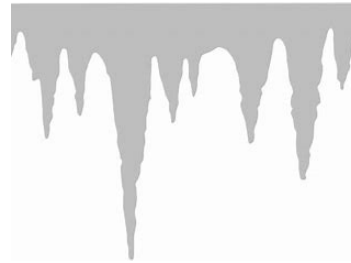
Science and Technology

Winter's Diamonds

If you want to make icicles, don't forget the most important ingredient: a cold winter night.

What You'll Need:

- Pencil
- Reuse a plastic container
- String
- Water
- Needle or pin



How to Make Winter's Diamonds

Using a sharp pencil, poke three or four holes around the lip of a plastic container. Tie several inches of string through each hole, then tie the ends of the strings together to make a hanger for the container.

Use a needle or pin to poke a very small hole in the bottom of the cup. Be careful not to poke yourself.

Fill the cup with water. The water should drip very slowly out of the hole in the bottom. On a cold night, before you go to bed, hang the cup outside on a branch or nail. Overnight, an icicle will form at the bottom of the cup.



Tullynessle School Snowpack



Where's the North Pole?



Use a pie dish to make your own compass.

What You'll Need:

Pie dish

Water

Dishwashing liquid

Magnet

Needle

1/4-inch slice of cork

Fill a pie dish with water and add a small amount of dishwashing liquid.

Now you'll need to magnetize a needle. To do this, use a bar magnet with the north end marked. Scrape the needle across the north end of the magnet, from the eye of the needle to its point. Do this about 15 times. It's important to scrape the needle in the same direction every time -- don't rub it back and forth on the magnet.

Carefully poke the needle through a small piece of cork. Float the cork in the middle of the pie dish. Like magic, the needle will always point north.



Tullynessle School Snowpack



Recycled Bird Feeder

You can make your own recycled bird feeder using just a simple used plastic squash or soft drinks bottle, or a used plastic milk carton. Make sure that you thoroughly wash and dry the bottle before use.

Then, leaving the bottle lid on, cut a small hole around halfway down the bottle. The hole should be just about big enough so that the birds can access the seeds, and the seed itself can flow down, but not so large that the seed dribbles out at the slightest breeze!

You should also add in a few small holes at the bottom of the bottle, to aid drainage in case any rainwater finds its way into the feeder. A few small holes at the top of the feeder will also encourage ventilation, helping to reduce moisture that may encourage fungal growths.

Then using garden wire, you can make a small hook and fix to the bottle screw cap. The recycled bird feeder can then be hung out on a branch. Make sure that you replace the feeder with a new bottle if it starts to go green or appears mouldy at all.





Tullynessle School Snowpack



How clean is snow?

What You'll Need:

3 clear containers

Collect snow from different locations, such as the side of a drive, back of the house, and put in containers at room temperature to let them melt. Think about which location's snow is the cleanest and observe the sediment or particles in each container after snow melts.

1. Which location has the dirtiest snow and why do think this is?

For an extra challenge:

For this activity you will need 3 matching jars with lids and water, ice cubes and snow.

Fill the first jar with water and put on the lid. Next fill the second jar with ice cubes and secure the lid.

Finally, go outside and scoop up snow. Pack as much snow as you can into the third jar and secure the lid.

Now set the jars in a safe place to see what happens as they melt.

Answer the following questions:



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1. Which melts the first the snow or the ice?
 - a. Why is this?

2. Is there the same amount of water in each jar?
 - a. If not, which has the most and which has the least?
 - b. In your opinion why is there a different amount of water in each jar?