

A serene winter landscape covered in a thick layer of snow. Tall, snow-laden evergreen trees line a path that leads into the distance. In the lower-left foreground, a wooden park bench is partially visible, its surface also covered in snow. The sky is a pale, hazy blue, and small, white, star-like particles are scattered throughout the scene, suggesting falling snow or a magical atmosphere.

Snow day Mathematics Activities

Times Table Rockstars Competition

Who will be the snow day winner in each year group?

Here are some simple fun activities for you to try at home. You do not need to attempt all of them but we would love to see some pictures of your Mathematics.

- Create a snowball tower - How many snowballs high can you go?
- Can you create 3D snow objects - A cylinder? Cone? Cube? Cuboid? Square based pyramid? Tetrahedron? Triangular prism. What are the properties of each shape you create?
- How many snowballs can you create in 1 minute?
- Can you create an igloo - it doesn't have to be too big. How many snow bricks are needed to make each row? Is it better to use large or small containers? What about the tiling construction to ensure stability? How do we pack down the snow to make safe and sturdy blocks of snow?

Year 3 & 4 Mathematics

- Create number sentences in the snow using a sticks/leaves/writing it
e.g. $35 + 121 =$
- If you have icicles outside your home - Can you measure them? Which is the longest? Which is the shortest? What is the difference between the longest and shortest? (Be careful with the icicles)
- How deep is the snow outside your home? How will you measure this?
- Create your own maths problem in the snow to test your teacher and class when you return to school?
- Can you create a repeating pattern with 3D snow shapes?

KS2 challenges

Winter Challenge Cards

Hot chocolate is sold in mugs which hold 200ml. How many mugs can be filled from 1000ml of hot chocolate?



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Winter Challenge Cards

There are 48 children at the ski club. They are divided into 8 groups. How many children are in each group?



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KS2 challenges

Winter Challenge Cards

One ski lesson at the local dry ski slope costs £21 for a child and £29 for an adult. How much would it cost for 2 adults and 3 children to have one lesson?



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Winter Challenge Cards

The snow has been falling for 6 minutes. It now measures 25mm deep. If it continues to snow for the next 12 minutes at the same rate, how deep will the snow be in cm?



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KS2 challenges

Winter Challenge Cards

6. In nine weeks' time, Lily and her family are going on their skiing holiday. How many days does she have to wait?



Winter Challenge Cards

7. It's been an icy night, and bags of grit are sold weighing 23kg. What is the total weight of 12 bags?



Other Snow Day learning activities

- Can you a snow day picture. Who will be the winner in each class?
- Can you identify the animal tracks in the snow in your back garden or outside your home?
- The larger the snowball, the longer it takes to melt. Make a prediction then investigate. Is this statement true?

Snow Day Bingo

Can you complete a row of activities on this snow day bingo board?

Can anyone achieve a full house?

Read a book (or a chapter from a book) that has a snowy setting or character.	Build a snowman.	Make a paper plate snowflake or snowman decoration.	Tidy your bedroom.	Aim a snowball at a target.
Write an acrostic poem for the word 'snow'.	Help to shovel some snow from a pathway or driveway.	Put on some thick winter gloves.	Go on a wintry walk.	Put some food out for the birds.
Wear a woolly hat.	Play a board game.		Drink a hot chocolate.	Make a snow angel.
Ride on a sledge.	Dance to a snowy song.	Write an imaginary story about a snow day adventure.	Wrap yourself up in a blanket or duvet.	Make some footprints in the snow.
Make a wintry collage using clippings from newspapers and magazines.	Have a snowball fight (but be careful!).	Build a snow fort (or a warm inside fort made from blankets).	Carefully, use white paper and scissors to create a symmetrical snowflake.	Catch a snowflake on your tongue.