



## Y4 Homework Takeaway Tasks THE ICE PALACE

Spring 1 2019



You should aim to do **at least** two different tasks each week.

Remember to use capital letters and full stops where they need to be and to present your work neatly and creatively.

English	Maths	Discovery
Keep a weather diary for a week. How would you describe the weather each day?	Time yourself completing a tables grid. Try it five times and see how much you can improve your time by.	Use ice cubes to try and create a building or structure. Take a photograph of it before it melts.
Create a word mat of words about 'Winter'. Think about your presentation. You may add images to illustrate any of your words.	Do puzzle 1 on the back of this sheet. Can you find different solutions?	Use Wordle Maker on the internet to produce a word cloud of icy, freezing and melting related words.
Write a paragraph to describe a cold scene. Remember to include what it feels like, looks like, sounds like, smells like.	Create a temperature table using the temperature for each day over a week. What is the difference between the lowest and highest temperatures?	Create a quiz with ten questions to test someone's knowledge about freezing and melting
Choose ten words from your 'Winter' word mat. Learn to spell them. Put each one into a sentence.	Roll a die twice. Add the numbers together and repeat. Multiply the two numbers you create together. Write down your answer. Repeat this until you have ten multiplications.	Plan an experiment to find out how quickly different liquids freeze. How can you make it a fair test? Write down the instructions.
Write a descriptive poem about winter or a cold scene.	Do puzzle 2 on the back of this sheet. Then try it with numbers up to 20. How many solutions can you find?	Can you stop an ice cube from melting? How did you do it? Why did it work?
Write a short story about an animal living in winter. Remember to use fronted adverbials and expanded noun phrases.	Look at a weather map on the internet or TV. Make a table showing the different cities/towns and the temperatures at each. Put them in order, coldest to warmest.	Does hot water evaporate faster than cold water? How could you find out? Explain what you did and what you found.
Think of ten similes to describe an arctic scene. Write each in a sentence.	Use a thermometer to measure the temperatures of 6 different things (solids, liquids or gases). Then draw a bar chart to compare the different temperatures. Which one was hottest? Which one was coldest? What was the difference between the hottest and coldest temperatures?	
Learn to spell these topic words: melting, freezing, icy, condensation, evaporation, solid, liquid, gas, temperature. What do they all mean?	If you have a thermometer, take the temperature of different places around you home. How many places are below freezing? Put them in order.	Does cold water freeze faster than hot water? What can you find out?

In addition to the above activities, please read to an adult at least three times a week and tell them about the book you are reading, the setting, the characters and what might happen next.

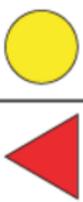
Practise times tables to ensure you know all tables up to 12x12 both division and multiplication facts with instant recall.

# Shapes in a Grid

## Puzzle 1

Stage: 2 ★★

Can you find which shapes you need to put into the grid to make the totals at the end of each row and the bottom of each column?

				11
				9
				10
				14
14	12	13	5	

The shapes stand for four different numbers less than ten.



## Puzzle 2

Arrange the numbers 1 to 6 in each set of circles below.

The sum of each side of the triangle should equal the number in the centre of the triangular shape.

