



Da Vinci Academy
A L.E.A.D. Academy



"One Team, Changing Worlds"

Half Term challenges

We know that you need to switch off and spend some time away from screens but with lockdown that can be really hard. We have created a range of challenges for you to have a go at. Take photos of your challenge and load them onto the half term teams challenge channel in the whole school team you are part of in MS Teams – with a file name including which challenge you entering. Hopefully there is a challenge that appeals to you!

Build a lego model

What is the most exciting lego model you can build?



Do a drawing just with Biro. How much contrast can you get?



How many words can you make from the letters?

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Take the most interesting photo you can on your daily walk. Is there an interesting land mark you have passed or a beautiful flower? Maybe a strange cloud, or stunning sun set.

Learn the alphabet in sign language or braille. Can you spell your name?

Make a bridge out of Spaghetti. Can you make a bridge that will cross a gap that is 30cm long? What is the largest weight it can take?



Keepy Uppies.

How many Keep yuppies can you do without the ball dropping? Why don't you video it? As a school can we reach 10,000?

Sudoku challenge – can you complete the Sudoku with the numbers 1-9 in each row, each, column and each box?

5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
4			8		3			1
7				2				6
	6					2	8	
			4	1	9			5
				8			7	9

Make a paper boat and see if you can make it float!



How many skips can you do with a skipping rope in 2 minutes?

Can you keep going for the full time without stopping? Can you skip backwards?

Do a drawing with a pencil only.



Build a model out of recycling?

Will it be a castle, a monster, a space rocket or something else?



Write a song and record yourself singing it.

Can you create some accompaniments either with a musical instrument or by clapping/tapping a rhythm?

Lateral thinking Quiz

1. Some months have 30 days, some months have 31 days. How many months have 28 days?
2. If a doctor gives you 3 pills and tells you to take one pill every half hour, how long would it be before all the pills are taken?
3. I went to bed at eight o'clock in the evening and wound up my clock and set the alarm to sound at nine o'clock in the morning. How many hours sleep would I get before being woken by the alarm?
4. Divide 30 by half and add ten. What do you get?
5. A farmer had 17 sheep and all but 9 die. How many are left?
6. If you had only one match and entered a COLD and DARK room, where there was an oil heater, an oil lamp and a candle, which would you light first?
7. A man builds a house with four sides of rectangular construction, each side having a southern exposure. A big bear comes along. What colour is the bear?
8. If you take 2 apples from 3 apples, what do you have?
9. How many animals of each species did Moses take with him in the Ark?
10. If you drove a bus with 43 people on board from London and stopped at Liverpool to pick up 7 more people, what's the name of the driver?
11. Do they have a 4th July in England?
12. How many birthdays does the average man have?
13. Is it legal for a man in California to marry his widow's sister?
14. How many two pence stamps in a dozen?
15. An assistant in a butcher's shop is 5'10" tall. What does he weigh?
16. What do you put in a toaster?
17. Say "Silk" 5 times, now spell "Silk". What do cows drink?
18. If a red house is made of red bricks and a blue house is made of blue bricks, what is a green house made of?
19. A plane crashes on the Canadian - US border. Where would you bury the survivors?
20. If the hour hand on a clock moves $\frac{1}{60}$ th of a degree every minute, how many degrees will it move in an hour?
21. Johnny's mother has 3 kids, one is named April, one is named May. What is the other one named?
22. In a one storey house the floor is blue and the walls and ceiling are white. What colour are the stairs?
23. A cowboy rode into town on Friday, spent the night, and left on Friday. How can this be?
24. I have two coins which add up to 15 pence and one of the coins is NOT a 10 pence piece. What are the two coins?
25. If a rooster laid an egg on the apex of a slanted barn roof, which way would the egg roll, left or right?

Card Tower Challenge.

How high can you build a challenge out of playing cards?



Decorate a cake

Be as imaginative as possible

