

Holiday Home Learning Activities Year 4

Please remember to send us pictures of what you get up to!



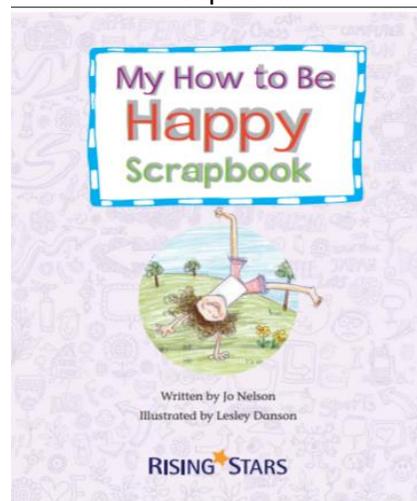
Play 'I am thinking of a number'. Either your opponent can ask you questions to which you can only answer yes or no, or you can describe your number using its properties. How many clues does the player have to have before they get the correct answer?

Be Mindful!



The weather is getting warmer. Find somewhere to sit- near an open window, in the garden or on a doorstep. Close your eyes and focus on your breathing. Tune in to the sounds you hear around you. How many are made by insects, birds or animals? How many do you recognise?

Read the attached book and make your own How to Be Happy Scrapbook



Make, bake and create!



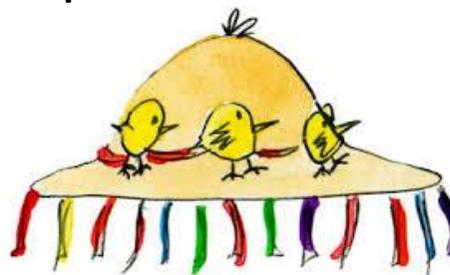
Design and make some seasonal cupcakes!



Write a letter to the class. Send it to me and I will email it out for you.

Design a maths game and ask your family to play it with you- use the maths dictionary to help if you want to!
e.g. a board game, hedbanz using maths words only, a strategy game, a version of noughts and crosses, the 24 game....

Enter the Spring Bonnet Competition



Traditionally, at this time of year there would be an Easter Bonnet parade. Design a Spring Bonnet and take a picture of it. If your parents give you permission, send a picture of you modelling it. Please remember- we can't share any pictures of you on line or on twitter unless your parents give permission in the email.



Create your own front page. Write up all the good stories you have been hearing. More ideas in the pack.

Write a review of a story you have listened to:
David Walliams' Eleveses, on Audible, Miss Swainson....
Persuade someone else it is worth listening to.



A View From My Window



Draw, shade, paint, collage- use whatever you can find to create a piece of art called The View from My Window.

Magic Vs

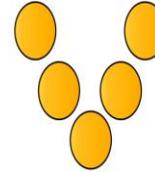
Place each of the numbers 1 to 5 in the V shape so that the two arms of the V have the same total.

How many different possibilities are there?

Can you convince someone that you have all the solutions?

What happens if we use the numbers from 2 to 6? From 12 to 16? From 37 to 41? From 103 to 107?

Investigate the same problem with a V that has arms of length 4.



nrich.maths.org

Growing plants from the things you throw away

Collect the seeds from the fruit that you eat. Including tomatoes and squash.

Do they all look the same? Plant them and observe how they grow.



Read the first chapter of a great book. Write the next chapter.

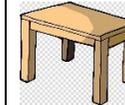


Do an EGGsperiment!!



The challenge card is at the end of this document

In your garden, around your house, on a walk...find as many mathematical words that begin with the letters A-Z as you can. How many can you find? Try playing a game where you find an object and take turns with someone to say a word that is mathematically correct for that object. When someone can't go, they are out!



parallel vertical horizontal
rectangle flat four right angle cuboid area
length width...

Maths Games And Activities Pack

20 Fun Maths Challenges To Do At Home

Year 4

Have a go at these activities. The link is on the webpage

Design a poster to say thank you to the NHS and people who are helping us to stay safe



In Spring, many species return to your garden and nearby parks, ponds and woodland. See how many you can spot and start a fact file about them.



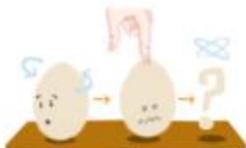
Make a badge for someone you love

INERTIAL EGGS

SCIENCE CHALLENGE 11
Designed by Tom, Design engineer at Ocean

The brief
Use eggs to find out about momentum and changing direction.

- The method**
1. Spin each egg, one hard boiled and one fresh, on a table.
 2. Leave it to spin for a few seconds then momentarily stop it by placing your finger on top.
 3. Release the egg and observe what happens next.



Materials
One hard-boiled egg
One fresh egg – the fresher the better

How does it work?

The hard egg will start to spin again when the finger is released, while the other will remain at a dead stop. The fresh egg has egg fluid and yolk inside it which gains momentum. When the egg is momentarily stopped, the yolk continues to spin inside the shell. When it is released, the viscosity of the fluid between the yolk moving with and the shell causes the shell to spin again.

Design icons



Inertia is the tendency of a moving object to remain moving or a stopped object to remain stopped. In engineering, flywheels are big, heavy wheels that can spin to gain kinetic energy. The energy is stored and released to smooth out the operation of engines that have a short burst of power during their running cycle.