

A message from Mr. Patch

Dear Class 3,

Hello to you all! What a strange time we are having at the moment. I hope that you all are well and enjoying spending some time at home with your families. I am very well and I have been keeping myself busy with lots of little tasks and with looking after my mum.

I am sure that you have been spending some time doing some of the tasks that Mrs. Hardaker and I set for you. I hope that you have enjoyed finding out about heating and cooling materials, and the Ancient Egyptians. Please remember that you need to keep reading frequently to someone at home and you need to keep practicing your times tables. I also hope that you have managed to try some of the writing tasks that we suggested to you.

Here are some Maths tasks for you to try. I hope that you enjoy them. We can share the work with each other when we come back to school.

Keep smiling and have fun!

Mr. Patch

Class 3 P.H. Maths Task - April 2020

Main Task

Use a ruler to draw a large plan of the downstairs of your house. The plan needs to show the position of all of the rooms.

Carefully measure the length and width of all of the rooms in metres and centimetres, and write these measurements on your plan, (a little bit like an estate agent would do!). You can use a tape measure, but please ask a parent or carer first.

Now imagine that you are going to buy new carpet for all of the rooms. You need to know the area of each room so that you buy the correct amount of carpet. You need to work out how many square metres (m²) of carpet are needed in each room. To do this you need to multiply the length of the room by the width, rounding up to the next whole metre. Then add together the number of square metres of carpet you would need to order in total.

If the carpet that you order costs £12 per square metre, how much is the carpet going to cost?

When you have completed the task for the downstairs of your house, perhaps you could try the upstairs (if you have one)? GOOD LUCK!

Parents

I suggest that many Year 3 children will need support with this task, and it may prompt some interesting discussion! The task will involve the children using their drawing and measuring skills, and they need to be as accurate as possible. They will also need to use their calculation skills. Perhaps they can discuss with you the calculations that they think are required, and the methods they wish to use. Many Year 4 children will be able to carry out most of the task unaided, but they might benefit from being able to discuss what they are doing with you. I expect the task to take several days to complete. Feel free to embellish the task in whatever ways you see fit, e.g. design the style or pattern of carpet for each room, maybe tessellating shapes?

Please ensure that the children take great care if they are using a metal tape measure as the edges can be quite sharp and some have a fierce recoil mechanism.

Please feel free to email me if you have any queries or comments.
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Additional Tasks

Triangles – Find out about different types of triangles. Draw pictures of them and label them. Create a large pattern using only triangles. Colour it and count how many of each type of triangle you have used.

Tally Charts – Create a tally chart of the different types of food that you usually eat. Record what you eat for a week, adding to the chart each day. The following week create a chart for your drinks.

Time – Time how long it takes for you to do a range of everyday tasks such as brushing your teeth or tidying your room. Try to time some short and some long tasks. Record the timings in your blue exercise book. Try timing each one several times to see if it always takes the same length of time.

Capacity – Record the capacity of a variety of containers that have been used at home. (Check with a parent or carer that it hasn't had something harmful in it.) Look at the label and record the capacity in millilitres (ml) and also in litres (l), for example 450 ml, and 0.45 l.