





Year Four: Spring Term 2 Homework Grid

Over the next half term, please choose one activity to complete per week. The activities are split across 5 subjects, each with a different skills focus. You must choose at least one of the activities from each of the different subjects over this half term. You can choose the order in which you complete these activities. Please hand in one piece of work in on the Monday of each week. **Remember, presentation is important!**

Ongoing maths activity: To learn and practise multiplication tables until you are able to recall them rapidly.

Ongoing reading activity: To read daily and record this in your Reading Record and bring this into school every day.

English	English	Science	School Production
<p>Character description Design a 'Wanted poster' for any book character of your choice (Willy Wonka, Grendel, Matilda, White Rabbit) Consider the following:</p> <ul style="list-style-type: none"> - Their name (possibly a nickname) - A reward. - A brief reason why they are wanted. - A description of the character. <p>Be creative! As well as describing their appearance, can you describe how they talk/walk/dress/act etc.</p>  <p>Signature _____</p>	<p>Spellings/Grammar Pick 10 spellings you find difficult. Use each word in a full sentence, spelling it correctly.</p> <p>Pick 5 of your 10 words and come up with a mnemonic to help you remember how to spell those words.</p> <p>Such as: Big Elephants Can't Always Use Small Exits - BECAUSE Include an image if you can.</p>  <p>Signature _____</p>	<p>States of Matter Gases can dissolve in a liquid, but they will not stay there if you release the pressure that holds them. Try this science experiment on states of matter, and see what happens. (See attached sheet for details).</p> <p>You will need:</p> <ul style="list-style-type: none"> • A bottle of fizzy drink • A balloon • A watch <p>Write your experiment up as you do in school - prediction, equipment, method, diagram, results and conclusion.</p>  <p>Signature _____</p>	<p>School Production Learn your lines and/or the words to the songs for our school production.</p> <p>Remember, expression and a clear voice will make your character come to life and beautiful singing will add extra sparkle to our performance!</p>  <p>Signature _____</p>

Maths

Data Handling

Collect data from your family about a chosen topic (favourite food, hair colour, etc...) and present it in a graph or chart.

Underneath your graph or chart, write 5 facts that you can work out from the data - e.g. 2 more people like pizza than pasta, chocolate is the least favourite food, etc...

Hint: You need to sample at least 10 friends and family.



Please ask for graph paper if you need it.

Signature _____

Maths

Investigation (see sheet)

You are at a party and you sit around a table with 7 friends. At the top left hand corner is the friend who is hosting the party. They have a bag of sweets and start giving them out in a clockwise direction: one for themselves, two for the next person and three for the next and so on. There are other similar parties going on at the same time. They have bigger square tables with more children sitting round on each side.

Explore and compare all the tables: 2 on each side, 3 on each side, 4 on each side and 5 on each side.

You could look at:

- the total number of sweets that children sitting opposite each other have;
- the total number of sweets needed for each size of table;
- the total number of sweets belonging to children who are diagonally opposite.

Then, what about five- and six-sided tables?



Signature _____

Geography

Geography

Create a map of somewhere you know well.

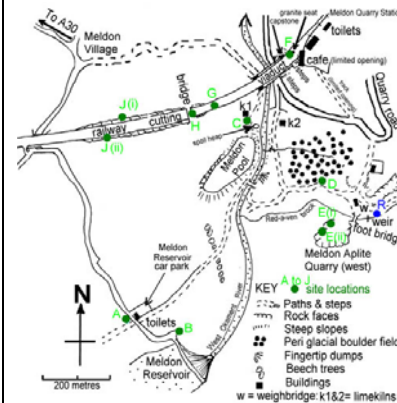
This might be around where you live, your journey to school or a place you visit regularly and remember well.

Create a map of this region.

Remember to consider the following:

- Symbols for important landmarks
- A key
- Colours to add clarity

Have a look at some road maps, OS maps and/or Google Earth to give you ideas.



Signature _____

Family week

Use this opportunity to explore something as a family.

You might like to record and share what it is you do this week or you might like to choose to spend this week being busy with your family.

It could be:

- A walk in the woods.
- A household chore.
- Eating a meal together.
- Just a busy weekend as a family.

It's up to you!



This website could give you some extra ideas:

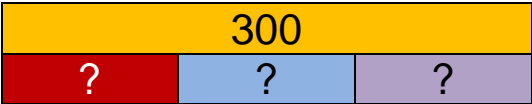
<https://www.theguardian.com/travel/2016/aug/25/uk-british-day-trips-readers-attractions-parks>

Signature _____

Year 4 Maths Home-Learning Grid

Complete one of these activities a week.

Write the short date and highlight when you complete a task.

Create your own two step addition word problem and ask an adult at home to solve it.	Choose 5 different times during the day and draw both an analogue and a digital clock to show the times.	Look carefully around your home and identify different 3D shapes.
To learn and practise multiplication tables until you are able to recall them rapidly.	How many different ways can you write 4363? For example: 436 tens and 3 ones	Look carefully at the bar model below. What could the missing amounts be? How many different ways can you make the total 300? 
Visit a local shop/supermarket and look at the cost of items. Can you write these down in pounds and pence? e.g Bread £1.24 = 124p	Record the months of the year and how many days they have in each month. Extension: how many hours would be in each month?	Find as many factors for the number 48 as you can. e.g. $2 \times 24 = 48$, 4 and 12 are both factors of 48.



Fizzy drink in a Balloon

Gases can dissolve in a liquid, as this example of fizzy drink in a balloon shows. But they won't stay there if you release the pressure that holds them. Try this science experiment on states of matter, and see what happens.

What You'll Need:

- Bottle of soda pop
- Balloon
- Watch

Step 1: Open a bottle of fizzy drink, and set it on a table.

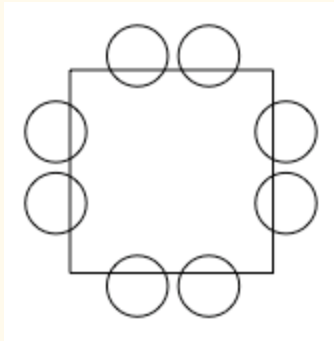
Step 2: Immediately slip the end of a balloon over the neck of the bottle. Pull the balloon's end well down over the bottle so that it fits tightly.

Step 3: Check on the balloon about every 10 minutes for any changes.

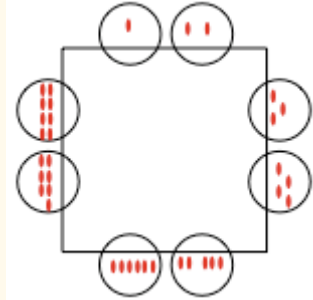
What Happened and why?

Sitting Round the Party Tables

So, you are at the party and sitting round the table with seven friends.



At the top left hand corner is the friend who is giving the party. S/he has a bag of sweets and starts giving them out in a clockwise direction: one for her/himself, two for the next person and three for the next and so on.



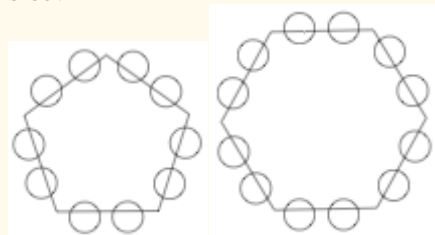
There are other similar parties going on at the same time. They have bigger square tables with more children sitting round on each side.

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Then, what about five- and six-sided tables?



Can you find any patterns or rules in the numbers and sequences?