

Home Learning Grid - Summer Term 2 Week 4

<p>Reading Choose something brand new to read. Make a prediction of what the book is about and what you think will happen by only looking at the front cover. Explain why you think this. Where you right? Phonics We are looking at applying the 'ch', 'sh', 'qu' and 'th'sound. Please complete these sounds in your work pack OR work on spelling shed and purple mash.</p>	<p>Writing I have given you a free return flight to any country in the world you'd love to visit. Create a fact file about your chosen country to persuade me you should go. Use subheading and full sentences. Think about their capital city, population, flag, language, historical facts, famous landmarks ect. Pictures would be great.</p>	<p>It's all about multiplication in Maths set online OR Monday- To see patterns in multiplications. Tuesday- Using the grid method to times 2 digits by 1 digit. Wednesday- Using the grid method to times 3 digits by 1 digit. Thursday- Using a pack of cards. Choose a number to times. Flip a card over and multiply it by your chosen number. Friday- To solve multiplication problems problems Challenge; If you can answer the questions correctly without the grid, don't use it. At the end of this document are the resources to complete these tasks ☺</p>
<p>Get Creative Construction Challenge Make your very own lava lamp (Instructions below) Create A famous landmark from your chosen country for your fact file eg Eiffel tower. Design your own family flag.</p>	<p>PSHE & Life Skills Using Youtube listen/ watch the story hug by Jez Alborough. Talk about the feelings in the book. Then think about the different ways of greeting your friends. How do you say hello? (high five, hand shake, fist bump) Are there different ways of greeting different people? Friends, family, teachers etc. Ensure children understand what is acceptable/ or not in certain circumstances. Come up with your own secret handshake with someone in your home.</p>	<p>Get Active Orienteering Hide things in your garden or house and create a map putting an x where you have hidden them. Ask someone to find your things. How fast can you do it? Science What is a tornado? Can you make one? What is happening in the bottle to cause the volcano? (Instructions are below)</p>

Don't forget daily;

Purple Mash MTC and and Times Tables Rockstars OR times tables practice.

20 minutes of free reading anything of your choice then use your bookmarks for questioning what you have read OR Complete 20 minutes of Read Theory

Complete spellings on spelling shed OR the list in your packs.

Handwriting

GPS; create words using the prefix un, in, dis

Don't forget to email me pictures of your activities if you can rebecca.kealey@fishwick.lancs.sch.uk

TORNADO IN A BOTTLE

SCIENCE
CHALLENGE

07

Designed by Adam,
Design engineer at Dyson

The brief

Create a water vortex in a bottle.

The method

1. Fill the plastic bottle with water until it reaches around three quarters full.
2. Add a few drops of washing up liquid.
3. Sprinkle in a few pinches of glitter (this will make your tornado easier to see).
4. Put the cap on tightly.
5. Turn the bottle upside down and hold it by the neck. Quickly spin the bottle in a circular motion for a few seconds. Stop and look inside to see if you can see a mini tornado forming in the water. You might need to try it a few times before you get it working properly.

Materials

Water

A clear plastic bottle

Glitter

Washing up liquid



How does it work?

The water is rapidly spinning around the centre of the vortex due to centripetal force. This is an inward force directing an object or fluid such as water towards the centre of its circular path.

Did you know?

Vortices found in nature include tornadoes, hurricanes and waterspouts.



Designed by Gemma,
James Dyson
Foundation executive

HOW TO MAKE A LAVA LAMP

The brief

Make your own lava lamp.

The method

1. Fill the empty bottle $\frac{3}{4}$ full with vegetable oil.
2. Top it off with water and about 10 drops of food colouring.
3. Break an Alka-Seltzer® tablet into pieces, and add pieces of the tablet to the bottle. The mixture will bubble.
4. Put the cap on and gently tip the bottle back and forth. This will cause the tiny droplets of coloured water moving around inside the oil to join together, making bigger blobs. Do not shake the bottle.
5. Shine a torch into the bottle from underneath, illuminating the bubbles.

Materials

Empty water bottle

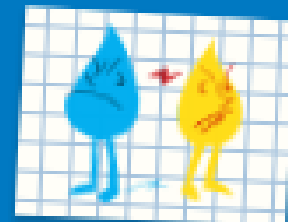
A large bottle of vegetable oil

Food colouring

Alka-Seltzer® tablets
(with adult supervision)

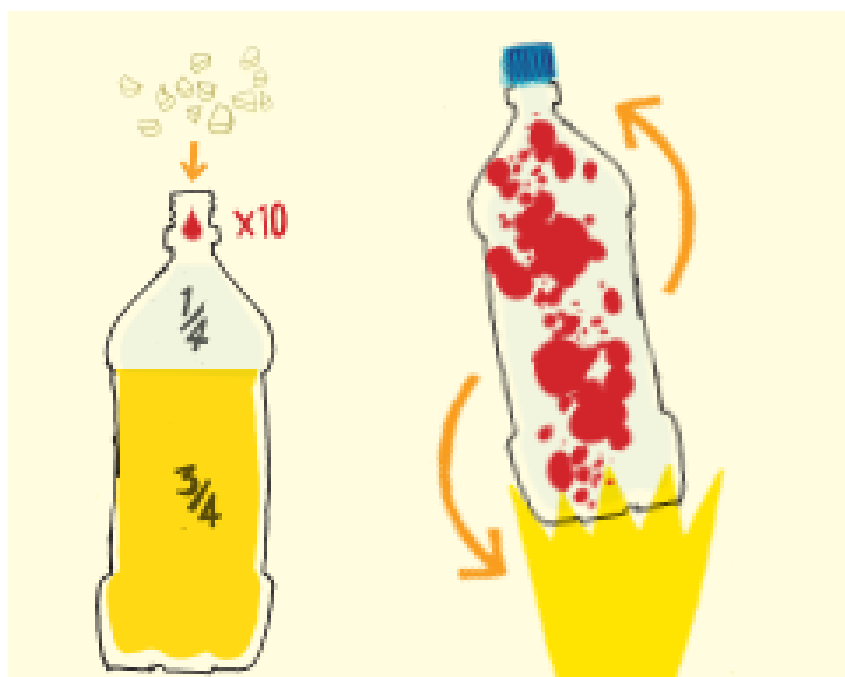
Water

A torch



How does it work?

Oil is hydrophobic – it will not mix with water – even if you try to really shake the bottle. The Alka-Seltzer® tablet reacts with the water to make tiny bubbles of carbon dioxide which are lighter than water. They attach themselves to the blobs of coloured water, causing them to float to the surface. When the bubbles pop, the coloured blobs sink back to the bottom of the bottle.



Monday

Number	x2	x4	x8
2	4	8	16
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
15			
20			
50			
100			

Tuesday

1. $12 \times 3 = 36$

x	10	2
3	30	6

= **36**

2. $12 \times 4 = \underline{\hspace{2cm}}$

x	10	2
4		

=

3. $14 \times 3 = \underline{\hspace{2cm}}$

x	10	4
3		

=

4. $18 \times 2 = \underline{\hspace{2cm}}$

x	10	8
2		

=

5. $34 \times 2 = \underline{\hspace{2cm}}$

x	30	4
2		

=

6. $18 \times 5 = \underline{\hspace{2cm}}$

x	10	8
5		

=

7. $23 \times 4 = \underline{\hspace{2cm}}$

x	20	3
4		

=

8. $22 \times 8 = \underline{\hspace{2cm}}$

x	20	2
8		

=

9. $15 \times 8 = \underline{\hspace{2cm}}$

x	10	5
8		

=

10. $45 \times 3 = \underline{\hspace{2cm}}$

x	40	5
3		

=

Wednesday

1. $515 \times 9 =$

x	500	10	5
9			

2. $784 \times 9 =$

x	700	80	4
9			

3. $958 \times 8 =$

x	900	50	8
8			

4. $140 \times 9 =$

x	100	40	0
9			

5. $441 \times 7 =$

x	400	40	1
7			

6. $431 \times 8 =$

x	400	30	1
8			

7. $254 \times 9 =$

x	200	50	4
9			

8. $333 \times 9 =$

x	300	30	3
9			

