Y5 - Home Learning (13/07/20)
(Make sure you help with the household chores each day too)
Please tag @stpatsy5 on twitter with images of your work – we would love to see them!
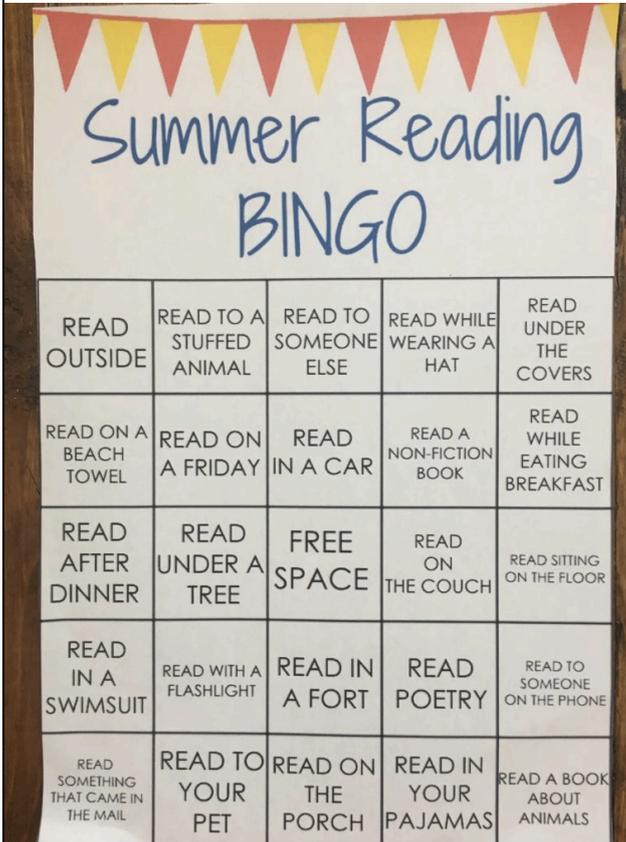
Reading	Useful websites
Here are some reading activities to try this week! **Writing** This week, I have attached a complete scheme of work called Meet the Rhi-swano-zeb-tah! Can you guess what this is about? This pack contains many different activities that we follow in school such as synonym games, comprehension questions and persuasive writing. You don't have to complete the whole pack – but they're there if you would like them!	www.pobble365.com This resources gives you a fantastic image stimulus each day with different writing activities to do www.visuwords.com a great website to help with synonyms and antonyms for your creative writing https://www.twinkl.co.uk/ Twinkl are offering their services free for a month. Parents can find lots of useful resources on there. https://primarystarseducation.co.uk/covid-19-year-2/ Maths sheets for Year 2. Free if you make an account. https://www.tts-group.co.uk/home+learning+activities.html Download the KS1 booklet for lots of activities. TTrockstars.com – your log in was sent home in your home pack. www.resonateonline.co.uk/yumu Mr Larkin has been setting you music tasks for your year group https://www.lightbulblanguages.co.uk/resources-sp-pz.htm a great website for spanish games!
Spellings Parliament Persuade Physical	**RE** CAFOD – see below for activities.

|	
Prejudice **Privilege** **Profession** **Programme** **Pronunciation** **Queue**	
Science See below for this week's science experiments! You can choose from a dissolving or a density experiment.	**Art** In this week's home learning pack 'Meet the Rhi-swano-zeb-tah' there is a very unusual animal involved! Can you guess what the animal is made up of? I would like you to create your own animal creation from 4 different animals – they can be as crazy as you like! Here are some ideas that you can use, or choose your own. Can you guess any of these before you draw them? Ele-chim-uck-anda Monk-iger-uirrel-og Eleon-iraffe-pup-anzee

Maths

- Times table practice on doodle maths and TT rockstars – choose a times table that you struggle with and focus on it for a week. Time yourself on Monday, then Friday – see what the difference is!

This week, I would like you to try some white rose hub maths activities. This week, the topic is dividing by 10, 100 and 1000!

Fun with Density
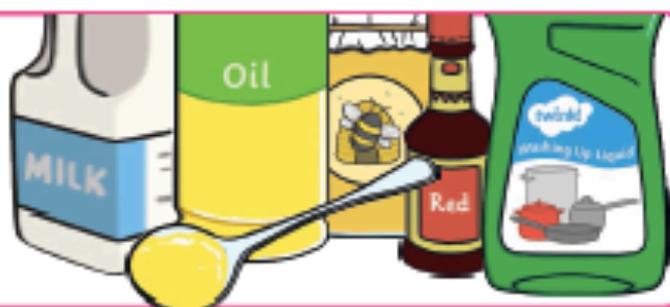
* Please dispose of oil safely and responsibly.

Density is a really tough concept to grasp. We confuse ourselves by referring to our weight all the time when we really mean our **mass**. **Mass** is effectively 'how much stuff' is there. **Density** is how much mass is in a volume (or space).

One way to illustrate density is to pour different liquids (which have different densities) on top of each other. The liquids with the greatest density sink to the bottom.

Method

1   Measure out the same volume of each of the liquids. Colour the water and the milk if you wish.

2   Starting from the bottom, pour in the honey. Make sure it goes into the middle of the glass and that you don't get any honey on the sides.

3   Slowly pour the golden syrup on top, followed by the washing up liquid.

4   Then add the milk, followed by the water.

5   Finally top with vegetable oil and admire your rainbow glass!
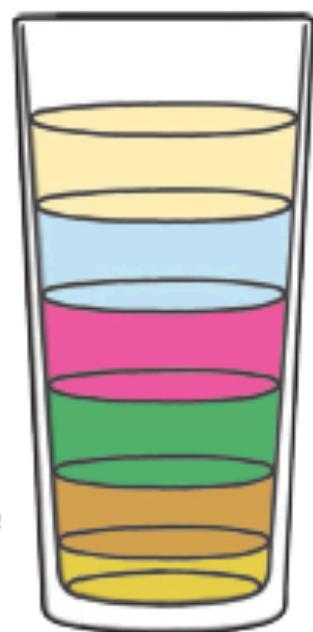
The Science Bit

Each of the liquids have a different mass of molecules or different numbers of parts squashed into the same volume of liquid, this makes them have different densities and therefore one can sit on top of the other – the more dense a liquid is the heavier it is.

Do you think you could float small objects on each of the different levels? We'd love to see a photo if you can.

Dissolving

Which solids dissolve in water?

- Water (hot and cold)
- Transparent Containers
- Substances to try and dissolve; sand, sugar, salt, coffee etc

Method

1 Add a teaspoon of whichever solid you are testing to a glass of cold water and a glass of hot water, stir and observe the difference.

2 Look to see if the solid dissolves in the hot water and cold water and if one is better than the other.

3 Can you design a chart to record your observation?

The Science Bit

Things like salt, sugar and coffee dissolve in water. They are soluble. They usually dissolve faster and better in hot water. Pepper and sand are insoluble, they will not dissolve even in hot water.

For Older Children

Everything is made of particles which are always moving. When a soluble solid (solute) is mixed with the right liquid (solvent), it forms a solution. This process is called dissolving.

Two things that affect the speed at which the solid dissolves are temperature and the size of the grains of the solid. Caster sugar which is made of fine particles will dissolve quickly, but bigger sugar particles will take longer.

Solids dissolve faster in hot water as in hot water the water molecules are moving faster, so bump into the solid more often which increases the rate of reaction.

RE:

Catholic Social Teaching:
A Key Principle – Stewardship of creation.
    The earth and all life on it is God's creation. We are called to take care of it because it is a holy gift
    from God and the only place we can live. When we make bad or thoughtless use of the earth's
    resources, many people suffer. When we make poor choices about how we treat other living things
    (people, animals, plants) we cause life to be less than God intends. Making wise choices about the
    care of God's creation is called good stewardship.   Anne E, Neuberger 2005.

We are called to stewardship

The **earth** and all **life** on it is **God's creation**.

We are called to **take care** of it because it is a holy **gift from God** and the only place we can **live**.

When we make **bad** or **thoughtless** use of the **world's resources**, many people **suffer**.

When we make **good choices** about how we treat other **living things** (people, animals, plants) we help all living things to **live** as **God intends**.

Making **wise choices** about the care of **God's creation** is called **good stewardship**.

After reading the above, I would like you to create a poster displaying the ways in which you can be a steward of creation. These things can include tasks at home, in school, with family and friends, in your community and also global!

1 Work out the divisions.

a)

Th	H	T	O
	6	0	

$60 \div 10$

b)

Th	H	T	O
4	9	0	

$490 \div 10$

c)

Th	H	T	O
1	4	9	0

$1,490 \div 10$

d) What happens to the digits when you divide a number by 10?

2 Complete the division sentences.

a) $90 \div 10 = \boxed{}$ d) $\boxed{} = 1,460 \div 10$ g) $700 \div 10 = \boxed{}$

b) $750 \div 10 = \boxed{}$ e) $32,390 \div 10 = \boxed{}$ h) $92,000 \div 10 = \boxed{}$

c) $820 \div 10 = \boxed{}$ f) $6,200 \div 10 = \boxed{}$

3 Work out the divisions.

a)

HTh	TTh	Th	H	T	O
			9	0	0

$900 \div 100$

b)

HTh	TTh	Th	H	T	O
	1	6	0	0	0

$16,000 \div 100$

c)

HTh	TTh	Th	H	T	O
		9	0	0	0

$9,000 \div 1,000$

d)

HTh	TTh	Th	H	T	O
7	6	8	0	0	0

$768,000 \div 1,000$

4 Explain to a partner how to divide a number by 100

Ask them to explain to you how to divide a number by 1,000

5 Complete the division sentences.

a) $4,500 \div 10 = \boxed{}$ c) $\boxed{} \div 10 = 76$

$62,000 \div 10 = \boxed{}$ $\boxed{} \div 100 = 76$

$739,300 \div 10 = \boxed{}$ $\boxed{} \div 1,000 = 76$

b) $4,500 \div 100 = \boxed{}$ d) $\boxed{} \div 1,000 = 30$

$62,000 \div 100 = \boxed{}$ $\boxed{} \div 1,000 = 300$

$739,300 \div 100 = \boxed{}$ $\boxed{} \div 1,000 = 3,000$

6 Complete the table.

Number	Number divided by 10	Number divided by 100	Number divided by 1,000
65,000			
	7,200		
		3,500	

b)

HTh	TTh	Th	H	T	O
1	6	0	0	0	0

16,000 ÷ 100

c)

HTh	TTh	Th	H	T	O
		9	0	0	0

9,000 ÷ 1,000

d)

HTh	TTh	Th	H	T	O
7	6	8	0	0	0

768,000 ÷ 1,000

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a) 4,500 ÷ 10 = ☐

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739,300 ÷ 10 = ☐

b) 4,500 ÷ 100 = ☐

62,000 ÷ 100 = ☐

739,300 ÷ 100 = ☐

c) ☐ ÷ 10 = 76

☐ ÷ 100 = 76

☐ ÷ 1,000 = 76

d) ☐ ÷ 1,000 = 30

☐ ÷ 1,000 = 300

☐ ÷ 1,000 = 3,000

6 Complete the table.

Number	Number divided by 10	Number divided by 100	Number divided by 1,000
65,000			
	7,200		
		3,500	

7 Write >, < or = to make the statements true.

a) 4,900 ÷ 10 ◯ 4,900 ÷ 100   c) 93,000 ÷ 1,000 ◯ 9,300 ÷ 100

b) 56,000 ÷ 100 ◯ 65,000 ÷ 100   d) 5,700 ÷ 100 ◯ 5,700 ÷ 1,000

8 Complete the sentences.

a) Dividing a number by 10 and then by 10 again is the same as

b) Dividing a number by 1,000 is the same as dividing by 10

and then _____

Compare answers with a partner.

9 In 2019, 568,000 houses were built.

In 2018, 10 times fewer houses were built.

In 2017, 100 times fewer houses were built.

a) How many houses were built in 2018?

b) How many houses were built in 2017?

c) How many houses were built between 2017 and 2019?

10 Alex is thinking of a number.

She divides it by 100

The answer has one more in the hundreds column than in the tens column.

The total of the digits is 15

What could the number be?

How many different answers can you find?

Here are some mindfulness activities for over the summer holidays that you may want to try!

5 Fun MINDFULNESS ACTIVITIES for children

by Big Life Journal

1 "JUST ONE BREATH" BREATHING ACTIVITY

- Find a relaxing place, sit comfortably, and set a timer for one minute.
- Breath deeply in and out while paying attention to any sensations you notice or sounds you hear.
- Take another slow deep breath, imagine the air moving down into the lungs and back up.
- Take one more deep breath and hold for a moment, then release it.

2 CREATE A GLITTER JAR

- Finding a jar or plastic bottle and allow your child to decorate it however they like.
- Fill the bottle up 3/4 of the way with water. Next, add clear glue, food coloring, and glitter then shake.
- Seal the lid and you are ready to go.

3 HEARTBEAT EXERCISE

- Ask your child to stand up and either jump up and down or do jumping jacks for one minute.
- At the end of that minute, have them place their hand on their heart and pay attention to how their heartbeat and their breathing feels.

4 GOING ON A SAFARI

- Go outside on an exciting adventure, try picking up a small rock or touching a plant or flower.
- Notice the bugs or the birds. Take a moment to kneel down and touch the earth.
- Walk mindfully paying close attention to everything. Make sure you walk in silence because you want to notice all those little details.

5 TENSE AND RELEASE MUSCLE RELAXATION

- Starting at the feet, gently squeeze the muscles in the feet by tightening them, then slowly releasing.
- Next, squeeze the large muscles in the calves for 5 seconds, then gently release. Working your way up the body, squeeze the thigh muscles for 5 seconds then gently release.
- Continue moving up the body for more relaxation.