

# Year 3 Knowledge Map—Pentecost 2



Swimming is on Wednesday afternoons.

Please remember your swim kit!



How many books can you read at home?

Try and read a variety of fiction and non-fiction books.

## Maths - Division

Handwritten division:  $96 \div 3 =$   
 $96 < \begin{matrix} 90 \div 3 = 30 \\ 6 \div 3 = 2 \end{matrix} > 82$

Handwritten division:  $64 \div 3 =$   
 IIIII ::  
 III III III .  
 $64 < \begin{matrix} 60 \div 3 = 20 \\ 4 \div 3 = 1 \end{matrix} > 21 r1$

### ÷ Division

<b>Repeated Subtraction</b> $12 \div 3 =$ ① $12 - 3 = 9$ ② $9 - 3 = 6$ ③ $6 - 3 = 3$ ④ $3 - 3 = 0$ $12 \div 3 = 4$	<b>Array</b> <table border="1"> <tr><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td><td>X</td><td>X</td></tr> </table> $12 \div 3 = 4$ 12 divided equally into 3 different rows	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X										
X	X	X	X										
X	X	X	X										
<b>Equal Groups</b> <table border="1"> <tr><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td></tr> </table> <table border="1"> <tr><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td></tr> </table> <table border="1"> <tr><td>X</td><td>X</td></tr> <tr><td>X</td><td>X</td></tr> </table> 12 divided equally into 3 group = 4 in each group	X	X	X	X	X	X	X	X	X	X	X	X	<b>Fact Families</b> $3 \times 4 = 12$ $4 \times 3 = 12$ $12 \div 4 = 3$ $12 \div 3 = 4$
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# Division

divide remainder  
 share share equally  
 groups of divided by  
 repeated each  
 subtraction

## Spellings - adding suffixes

In spellings we will be learning how to add the suffixes 'tion and ation' onto root words. Can you add the correct suffix to the words below?

invent	inject
decorate	consider
adore	inform

Practise spelling these words at home. See how many you can learn off by heart.

★ Challenge time! ★  
 Can you complete the division wheels below?

### Division Wheels

Divide the numbers by the middle number.

accident(ally)	continue	group	natural	question
actual(ly)	decide	guard	naughty	recent
address	describe	guide	notice	regular
answer	different	heard	occasion(ally)	reign
appear	difficult	heart	often	remember
arrive	disappear	height	opposite	sentence
believe	early	history	ordinary	separate
bicycle	earth	imagine	particular	special
breath	eight/eighth	increase	peculiar	straight
breathe	enough	important	perhaps	strange
build	exercise	interest	popular	strength
busy/business	experience	island	position	suppose
calendar	experiment	knowledge	possess(ion)	surprise
caught	extreme	learn	possible	therefore
centre	famous	length	potatoes	though/although
century	favourite	library	pressure	thought
certain	February	material	probably	through
circle	forward(s)	medicine	promise	various
complete	fruit	mention	purpose	weight
consider	grammar	minute	quarter	woman/women

**3 times table**

1x3 = 3	6x3 = 18	11x3 = 33
2x3 = 6	7x3 = 21	12x3 = 36
3x3 = 9	8x3 = 24	
4x3 = 12	9x3 = 27	
5x3 = 15	10x3 = 30	

**4 times table**

1x4 = 4	6x4 = 24	11x4 = 44
2x4 = 8	7x4 = 28	12x4 = 48
3x4 = 12	8x4 = 32	
4x4 = 16	9x4 = 36	
5x4 = 20	10x4 = 40	

**8 times table**

1x8 = 8	6x8 = 48	11x8 = 88
2x8 = 16	7x8 = 56	12x8 = 96
3x8 = 24	8x8 = 64	
4x8 = 32	9x8 = 72	
5x8 = 40	10x8 = 80	



# Science - Light



How many of these definitions can you learn?

## Subject Specific Vocabulary

reflection	It occurs when a ray of light hits a surface and bounces off.
light source	The main light source for Earth is the Sun. Some other luminous objects give out light, for example, torches, candles and lamps.
refraction	It is the change of direction of a light ray as it passes through different surfaces, for example, from air to water.
Shadows	A shadow is formed when an object blocks out the light. The object must be opaque or translucent to make a shadow.
Opaque	Opaque objects do not allow light to pass through them. In most cases creating a shadow.

## Sticky Knowledge: Light and dark

- Black and dark objects absorb light and heat whilst white or light objects reflect it.
- Some objects like glass are transparent which means that light can shine through them.
- Our main source of light on Earth comes from the Sun. A ray of light travels very fast.
- Darkness is made by blocking light from the sun or some other source of light, which makes shadows
- The Sun and other stars, fires, torches and lamps all make their own light and so are examples of sources of light.
- A mirror is not a source of light it merely reflects light. Similarly,

## Interesting book alerts!



Watch this QR code to learn about how Shadows are made.

How can you make different shadows?

Can you use different objects at home to make a shadow puppet play?



# Geography- Local Area



In geography we will be exploring the local area. We will look at human and physical features of geography, Can you remember any?

We will also be studying patterns of weather and temperature and even bird watching!

How many different types of birds can you spot out of your bedroom window?



# Design and Technology- Food



In DT, we will be learning how to cook! We will be looking at different foods from around the world. See if you find any fruit or vegetables that you recognise!

## Subject Specific Vocabulary

- Climate
- Diet
- Natural
- Processed
- Reared
- Seasons

