The background of the slide is a light gray gradient, decorated with numerous realistic water droplets of various sizes. Some droplets are large and prominent, while others are small and subtle, scattered across the top and bottom edges of the text area.

KS1 MATHS, ENGLISH & SCIENCE SUPPORT WORKSHOP

KS1 SCIENCE SUPPORT AT HOME



WHAT ARE THE MAIN AREAS OF SCIENCE YOU NEED TO PAY ATTENTION TO?

Scientific knowledge

- Science vocabulary (light, reptile, stem)
- Processes (the water cycle)



Working Scientifically

- Planning an investigation
- Setting up an investigation
- Observe and record data
- Talking about what they observed



HOW CAN YOU HELP AT HOME?

- ▶ Ask questions – what does your child want to know?

Child: Why do bears hibernate?

Parent/Carer: What is hibernation? How could we find out?

- ▶ Ask them what they have found out – explaining their findings to you is another step of learning

Parent/Carer: So why does it rain sometimes and not other times?

- ▶ Observe changes – what is the same? What is different?

Parent/Carer: Can plastic be soft and hard?

Parent/Carer: If something is bumpy can it be hard?



HOW CAN YOU HELP AT HOME?

- RECORD – THROUGH PICTURES, WORDS, VIDEOS ETC.
- USE SCIENCE LANGUAGE – START FROM A YOUNG AGE AND EXPLAIN WHAT THE WORDS MEAN.

CHILD: THIS IS THE HIP BONE

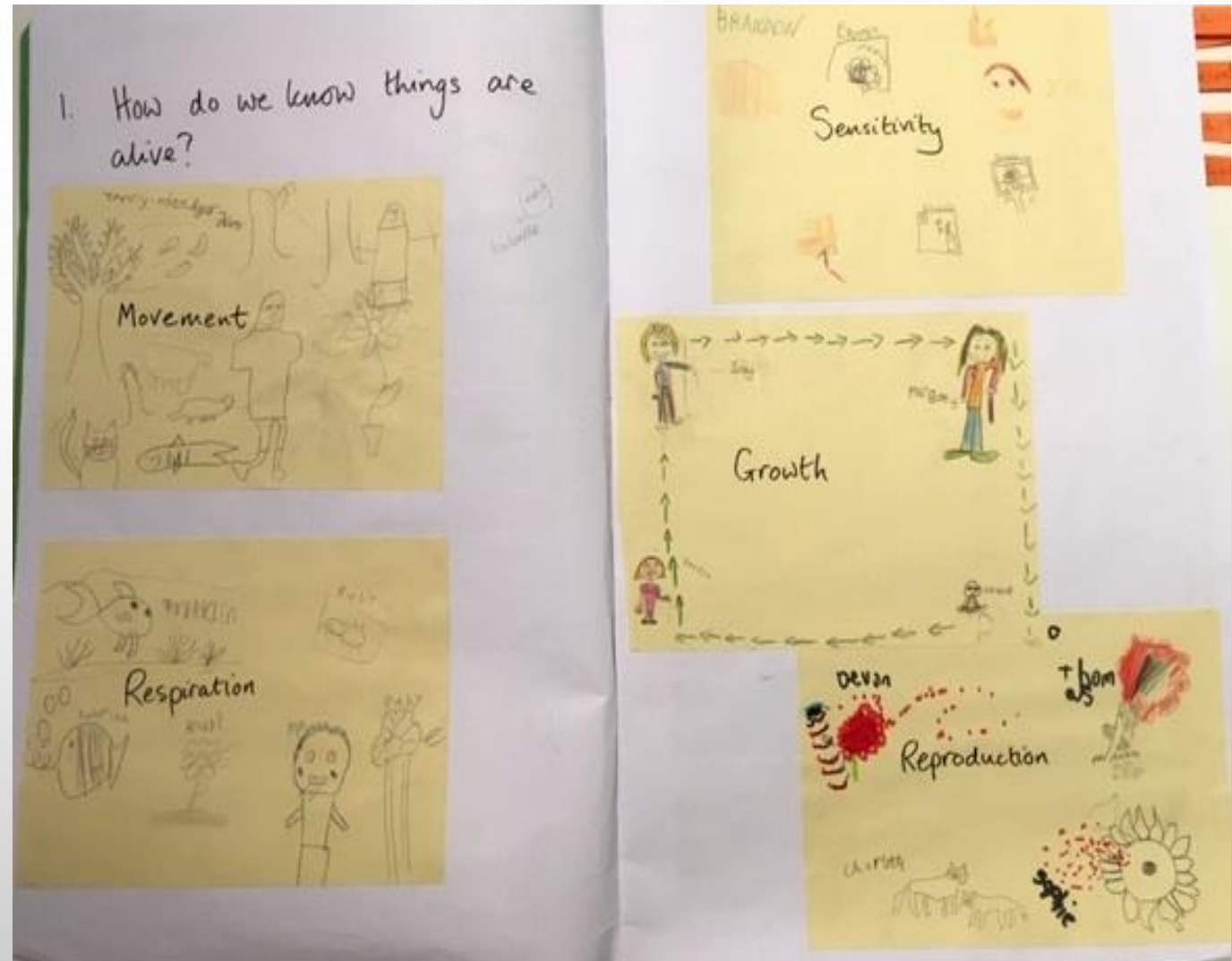
PARENT: IS THAT IT'S SCIENTIFIC NAME

CHILD: NO IT'S THE PELVIS

- EVIDENCE – IF THEY HAVE A THEORY, DO THEY HAVE EVIDENCE THAT PROVES IT TO BE TRUE?

CHILD: IT'S COLD OUTSIDE

PARENT/CARER: HOW DO YOU KNOW? CAN YOU PROVE IT?



REMEMBER SCIENCE IS ALL AROUND US

How do you cook an egg?

Do some exercise, measure
your heart rate

When I listen to loud
music sometimes
the floor shakes

How long is mummy
pregnant for?



Why is there water
dripping down the
window?

Why is there water
dripping down the
window?

Why does my shadow
look so long?

How do you catch corona virus?

Look after a plant

I got an electric shock
when I touched the
computer screen

HELPFUL WEBSITES

INVESTIGATIONS TO DO AT HOME:

- [HTTPS://WWW.WOODLANDTRUST.ORG.UK/BLOG/2020/03/KIDS-NATURE-ACTIVITIES-SELF-ISOLATION/](https://www.woodlandtrust.org.uk/blog/2020/03/kids-nature-activities-self-isolation/)
- [HTTPS://WWW.SCIENCEFUN.ORG/KIDSZONE/EXPERIMENTS/](https://www.sciencefun.org/kidszone/experiments/) OR EXPLORE YOUTUBE.

PRIMARY SCIENCE HOME LEARNING GUIDE FOR PARENTS

- [HTTPS://WWW.THESCHOOLRUN.COM/ACCESS-THESE-FANTASTIC-SCIENCE-RESOURCES-TODAY](https://www.theschoolrun.com/access-these-fantastic-science-resources-today)

ONLINE SCIENCE LESSONS AND SUPPORT FOR HOME LEARNING FOR KS2

- [HTTPS://WWW.BBC.CO.UK/BITESIZE/SUBJECTS/Z2PFB9Q](https://www.bbc.co.uk/bitesize/subjects/z2pfb9q)

PRIMARY SCIENCE INTERACTIVE ACTIVITIES AND GAMES

- [HTTPS://WOWSCIENCE.CO.UK/?SFID=27&SFM_RESOURCE_TYPE=GAMES](https://wowscience.co.uk/?SFID=27&SFM_RESOURCE_TYPE=GAMES)
- [HTTPS://PBSKIDS.ORG/GAMES/SCIENCE](https://pbskids.org/games/science)
- [HTTPS://MRNUSSBAUM.COM/GAMES/SCIENCE-GAMES](https://mrnuussbaum.com/games/science-games)



SUPPORTING YOUR CHILD WITH MATHS AT HOME



WHAT YOU SAY REALLY MATTS

Don't worry. I wasn't very good at maths at school either.

We didn't do it like this when I was at school.

You'll have to ask someone else. I'm terrible at fractions.

Oh no – time for the dreaded maths homework.



TALKING POSITIVELY ABOUT MATHS IS PROVEN TO REDUCE MATHS ANXIETY.

Let's try this
together.

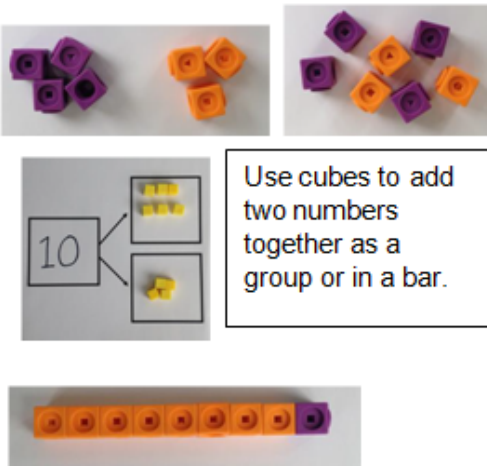
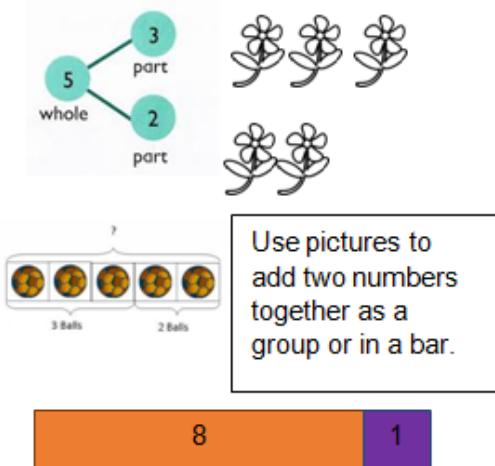


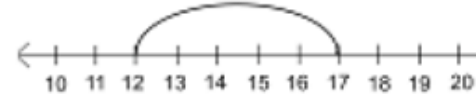


Don't give up.
You're doing really
well and will get
there.

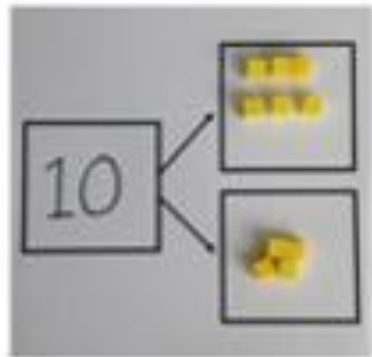
What can we use to
help us?

The best bit about
maths is finally
working something
out.

YOUR CHILD WILL EXPERIENCE MATHS THROUGH CONCRETE MATERIALS, PICTURES AND WRITTEN CALCULATIONS.

Objective and Strategies	Concrete	Pictorial	Abstract
Combining two parts to make a whole: part-whole model	 <p>Use cubes to add two numbers together as a group or in a bar.</p>	 <p>Use pictures to add two numbers together as a group or in a bar.</p>	$4 + 3 = 7$ $10 = 6 + 4$  <p>Use the part-part whole diagram as shown above to move into the abstract.</p>
Starting at the bigger number and counting on	 <p>Start with the larger number on the bead string and then count on to the smaller number 1 by 1 to find the answer.</p>	$12 + 5 = 17$  <p>Start at the larger number on the number line and count on in ones or in one jump to find the answer.</p>	$5 + 12 = 17$ <p>Place the larger number in your head and count on the smaller number to find your answer.</p>

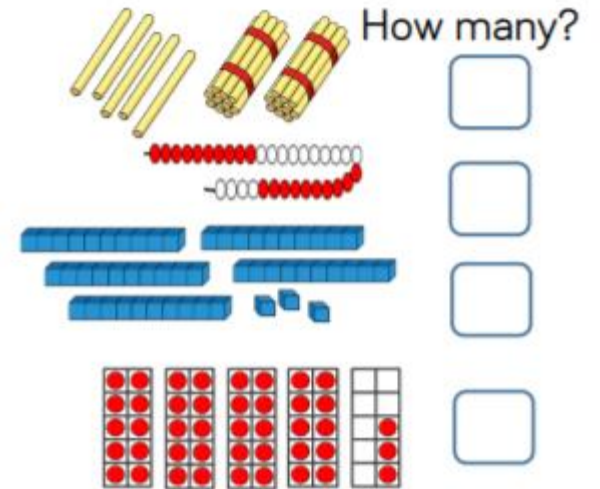
THIS IS OFTEN THE THING THAT PARENTS FIND DIFFICULT TO INTERPRET



Use cubes to add two numbers together as a group or in a bar.

Match the pictures and words.

- Four tens and three ones
- Two tens and five ones
- Three tens and four ones
- Three ones and five tens



2 tens and 8 ones		3 tens and 6 ones


Remember the pictures are there to support the learning. Ask your child what they notice about the picture first. Count how many the picture represents then go from there.

THEY WILL ALSO LEARN TO USE REASONING TO SOLVE PROBLEMS. ASKING YOUR CHILD TO EXPLAIN HOW THEY KNOW SOMETHING IS RIGHT OR WRONG REALLY HELPS WITH THIS.

True or False ?

Recognise 2-D and 3-D shapes

These shapes are both squares.



White Rose Maths

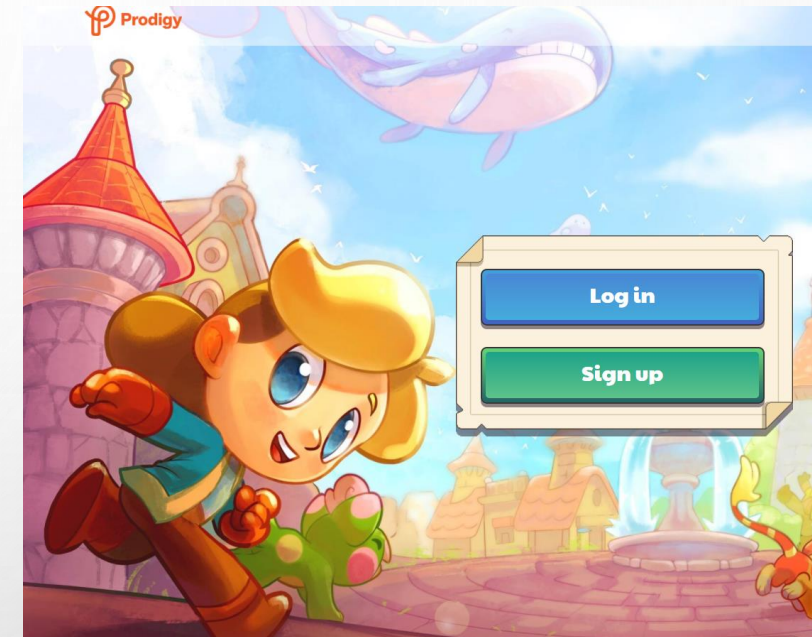
The image shows a worksheet titled 'True or False ?' with the subtitle 'Recognise 2-D and 3-D shapes'. The main text asks 'These shapes are both squares.' Below the text are two green shapes: a 2D square on the left and a 3D cube on the right. The White Rose Maths logo is in the bottom right corner.

USING CONCRETE OBJECTS REALLY HELPS.



WEBSITES TO SUPPORT LEARNING.

WWW.PRODIGYGAME.COM



WEBSITES TO SUPPORT LEARNING.

These are websites which the school subscribes to. Your child has a login and password for each of them.

TT Rockstars – this is a fun way to learn times tables.

<https://ttrockstars.com/>

Numbots – this game provides children with different maths problems to solve as they move around it.

<https://play.numbots.com/#/account/school-login-type>

Purple Mash – there are lots of games and activities to support all areas of maths.

<https://www.purplemash.com/login/>

These websites are free and fun to use.

<https://www.prodigygame.com/main-en/>

<https://www.topmarks.co.uk/>

<https://www.timestables.co.uk/>

Please play games

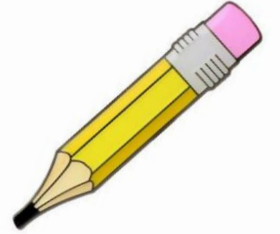
- ▶ **Snakes and ladders** – as it is, vary dice numbers
- ▶ **Guess Who?** – systematic working, exploring possibilities
- ▶ **Junior Monopoly** – money
- ▶ **Cluedo** – strategy
- ▶ **Battleships** – coordinates and strategy
- ▶ **Noughts and crosses** – strategy
- ▶ **Connect 4** – strategy
- ▶ **Bingo/beetle drive**

AND FINALLY.....



**KEEP
CALM
AND
ENJOY
IT**

SUPPORTING YOUR CHILD WITH WRITING



TOP TIPS:

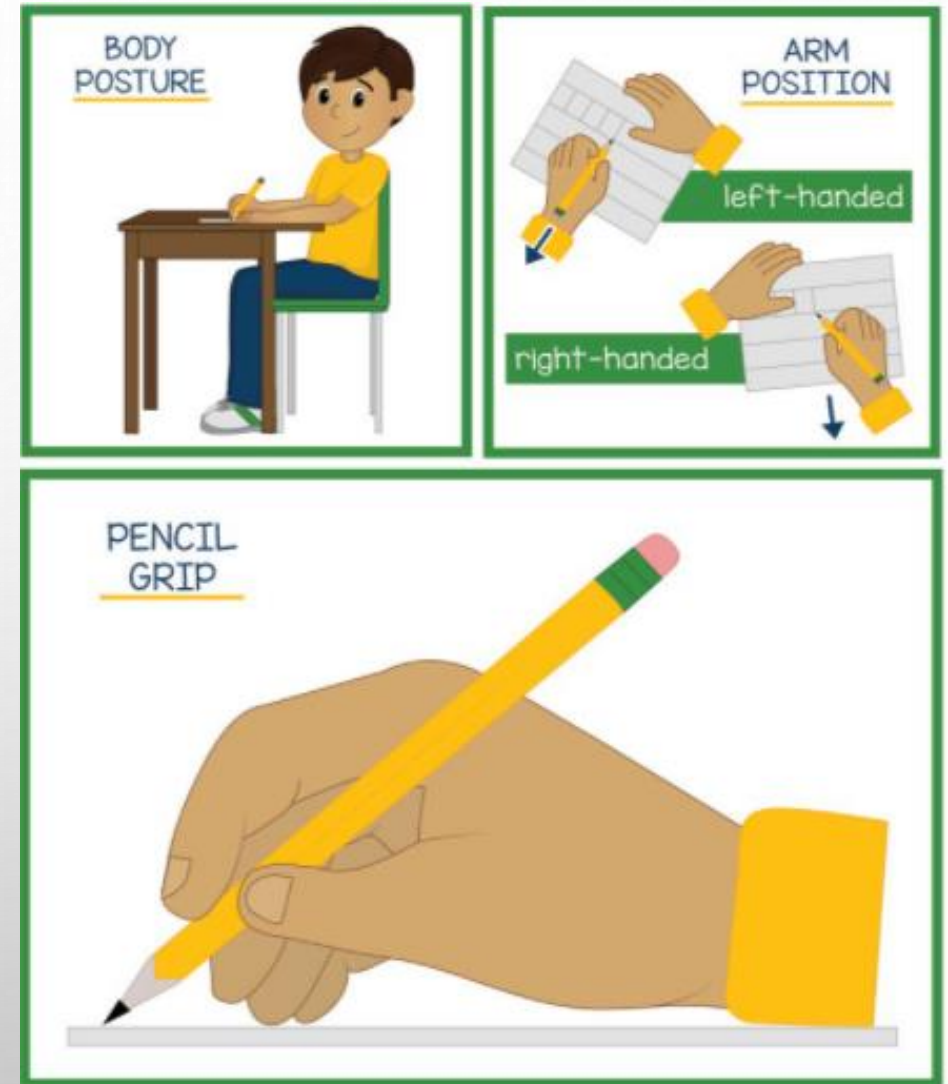
- MAKE SURE YOUR CHILD REALLY UNDERSTANDS THE TASK BEFORE THEY BEGIN.
- ENCOURAGE YOUR CHILD TO SAY SENTENCES OUT LOUD BEFORE WRITING THEM DOWN. THEY CAN ALSO USE THEIR FINGERS TO COUNT THE WORDS IN THE SENTENCE BEFORE THEY WRITE.
- REMIND YOUR CHILD TO ALWAYS INCLUDE KEY FEATURES IN THEIR WRITING E.G.
 - CAPITAL LETTERS
 - FULL-STOPPS
 - FINGER SPACES BETWEEN WORDS
 - SPELLINGS
- ALWAYS ENCOURAGE YOUR CHILD TO RE-READ THEIR WRITING BEFORE THEY FINISH.

SUPPORTING YOUR CHILD WITH HANDWRITING

WHENEVER YOUR CHILD IS WRITING BY HAND,
ENCOURAGE THEM TO THINK ABOUT THEIR
HANDWRITING.

TRY TO SUPPORT YOUR CHILD BY...

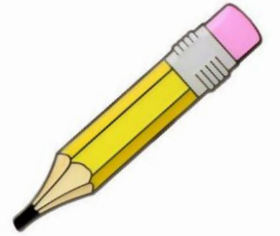
- ENCOURAGING THEM TO SIT CORRECTLY
 - GRIP THEIR PENCIL CORRECTLY
 - HELPING THEM FORM LETTERS CORRECTLY
- HELPING THEM WITH THE SIZE OF THEIR LETTERS
- ENCOURAGING THEM TO THINK ABOUT WHERE EACH LETTER SITS ON THE LINE



HELPFUL WEBSITES FOR WRITING

BBC bitesize KS1:

<https://www.bbc.co.uk/bitesize/subjects/zgkw2hv>



Topmarks KS1:

<https://www.topmarks.co.uk/Search.aspx?Subject=9&AgeGroup=2>

ICT games:

<https://www.ictgames.com/mobilePage/literacy.html>

Writing ideas through animated film

<https://www.literacyshed.com/the-ks1-shed.html>

SUPPORTING YOUR CHILD WITH READING



TOP TIPS:

- ENCOURAGE YOUR CHILD TO FIND A CALM, QUIET ENVIRONMENT TO READ.
- WALK THROUGH THE BOOK/ TEXT WITH YOUR CHILD FIRST, BEFORE THEY BEGIN TO READ:
 - *READ THE TITLE OF THE BOOK/TEXT AND LOOK AT THE FRONT COVER*
 - *DISCUSS WHAT THE BOOK/TEXT MIGHT BE ABOUT*
 - *LOOK AT ANY PICTURES TOGETHER*
 - *IDENTIFY ANY KEY WORDS TOGETHER*
- ENCOURAGE YOUR CHILD TO USE A RANGE OF STRATEGIES WHEN THEY FIND A WORD TRICKY.
- FOCUS ON YOUR CHILD'S **RETRIEVAL**, **INFERENCE** AND **PREDICTING** SKILLS WHEN ASKING THEM QUESTIONS ABOUT THE BOOK/TEXT THEY'VE READ.

READING DIFFICULT WORDS



IF YOUR CHILD GETS STUCK ON A WORD, YOU COULD...

1. Ask them to use their sounds (phonics)

Consonant sounds											
f	l	m	n	r	s	v	z	sh	th	ng	
ff	ll	mm	nn	rr	ss	ve	zz	ti		nk	
ph	le	mb	kn	wr	se		s	ci			
					ce		se				
b	c	d	g	h	j	p	qu	t	w	x	y
bb	k	dd	gg		g	pp		tt	wh		
	ck				ge						ch
	ch				dge						tch
Vowel sounds											
a	e	i	o	u	ay	ee	igh	ow			
	ea				ā-e	y	ī-e	ō-e			
					ai	ea	ie	oa			
						e	i	o			
							y				
oo	oo	ar	or	air	ir	ou	oy	ire	ear	ure	
ū-e			oor	are	ur	ow	oi				
ue			ore		er						
ew			aw								
			au								

2. Ask them to miss out the word, read the rest of the sentence and see if they can work out what it means.

3. Use picture clues to help them



4. Revisit the word at the end of your reading session. Can your child remember what the word was?

HELPFUL WEBSITES FOR READING



Bug Club:

<https://www.activelearnprimary.co.uk/login?c=0>

Free online books/audio stories:

<https://bookdash.org/books/>

<https://www.booktrust.org.uk/books-and-reading/have-some-fun/storybooks-and-games/>

<https://stories.audible.com/discovery>

<https://www.storylineonline.net/library/>

Phonics:

<https://www.bbc.co.uk/bitesize/topics/zcqqtftr>

<https://www.teachyourmonstertoread.com/>

<https://www.phonicsplay.co.uk/>

**Phonics play free
log-in...
username: jan21
password: home**

Phonics blog:

<https://home.oxfordowl.co.uk/blog/how-can-i-support-my-child-with-phonics-learning/>