

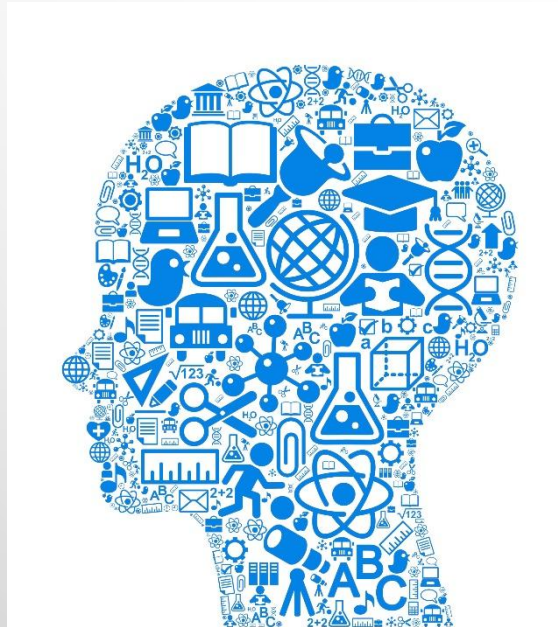
**KS2  
SCIENCE  
SUPPORT  
AT HOME**



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

## Scientific knowledge

- Science vocabulary (Photosynthesis, inheritance)
- Processes (the water cycle)



## Working Scientifically

- Planning an investigation
- Setting up an investigation
- Observe and record data
- Evaluating investigation



# 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

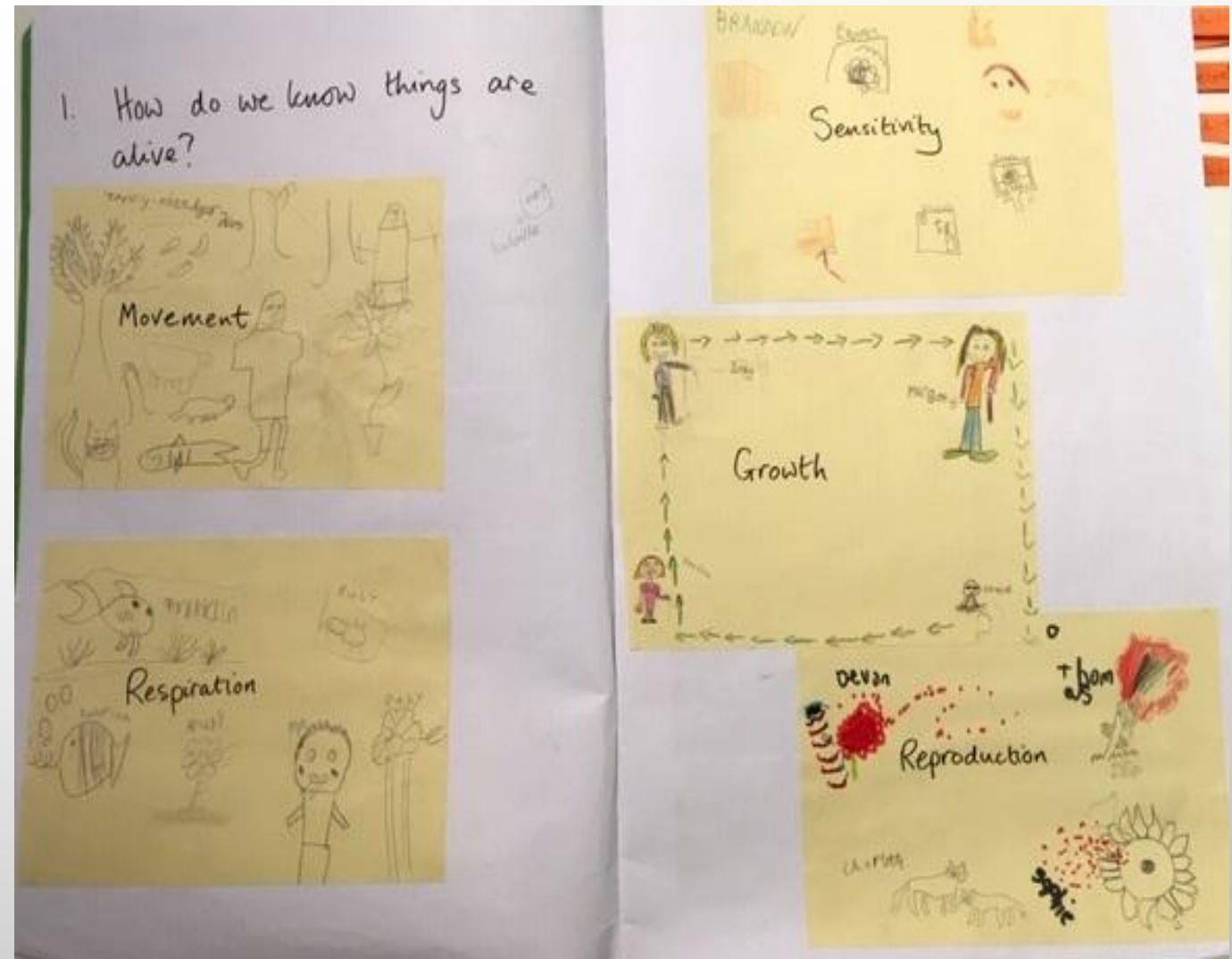
PARENT/CARER: HOW DO YOU KNOW? CAN YOU PROVE IT?

- CONCLUSIONS – WHAT DID THEIR INVESTIGATIONS SHOW THEM? WHAT DID THEY LEARN? CAN THEY PROVE A THEORY?

PARENT: I CAN SEE DIFFERENT SIZE PENCIL FLOAT ON WATER, WHAT ELSE COULD YOU TEST ABOUT FLOATING?

CHILD: MAYBE I COULD TRY DIFFERENT MATERIALS TO SEE IF THAT MAKES A DIFFERENCE?

PARENT: WHAT DIFFERENT DO YOU THINK IT WOULD MAKE AND WHY?



# 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://mrnuusbaum.com/games/science-games)

# 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



Why is there water  
dripping down the  
window?

How long is mummy  
pregnant for?

Why is there water  
dripping down the  
window?

Why does my shadow  
look so long?

How do you catch corona virus?

I got an electric shock  
when I touched the  
computer screen

Look after a plant

AND FINALLY.....



**KEEP  
CALM  
AND  
ENJOY  
IT**