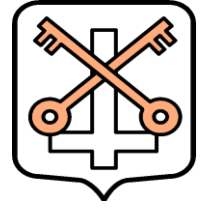


We love science!

Fun science opportunities you can get involved with at home.

We would love to see some photos of your work!



Mission X: Train like an astronaut

Keep your body healthy by completing a workout just like an astronaut!



Follow the link to watch the video.

<https://trainlikeanastronaut.org>

Lancashire science festival

Lancashire science festival will take place again this year at UCLAN. We are currently waiting for a confirmed date. It will host a variety of practical science workshops for the children to enjoy and will be free of charge.



Can you recreate the water cycle?

The water cycle describes how water naturally moves around the earth and its atmosphere.

Can you recreate the water cycle at home and describe what is happening?

[Use this link to help you](#)



Featured scientist

Peggy Whitson

Can you create a fact file?



Send your photos or science work to:



science@st-peterscofe.lancs.sch.uk



Brilliant Bubbles

Activity Card

Cosmic is very excited. Today is his birthday!

His present is a big, bright purple bubble machine. When he turns the handle, dozens and dozens of bubbles float out into the air.

Gem arrives to wish him happy birthday. Cosmic shows her how his new bubble machine works.

"What lovely bubbles!" Gem shouts, as she jumps about trying to catch them.

"They are OK," says Cosmic. "But they are all the same shape... And they are all the same size... And they are all the same colour. I wanted lots of different bubbles, but these are all the same."

"You must be able to make different bubbles," says Gem, peering into the end of the machine. "Perhaps there's something wrong with it."

"I'm not sure," says Cosmic.

What do you think?

Your challenge

Can you find a way to blow different bubbles for Cosmic?

Cosmic thinks you can make bubbles with different shapes

Gem thinks you can make different size bubbles

Aunt Stella thinks you can make different colour bubbles



Discuss

Have you ever blown bubbles?
Do you think that they were all the same?

Getting started

Put some bubble liquid in a bowl or tray.
Use a straw to blow some bubbles. **Don't share your straw with anyone else.**
Dip the end of the straw in the liquid. Lift it out.
Now blow down your straw to make a bubble.
Try blowing gently and then blowing harder.
How do the bubbles change?

Test your ideas

Can you think of other ways to find out about bubbles?

Share your ideas

You could have a bubble competition to see how many different types of bubbles you can blow.

Extra things to do

Find out how long you can keep a bubble before it bursts.
Find out whether bubbles float or fall to the ground.
Find out how long you can keep a bubble in the air.



Science Safety

v p c a r e n o f o o d
h r k p z g o g g l e s
g v m i c p d l r i a u
f s d l l b r o e s u p
v j p x e k i v s t n e
f m p b a c n e p e u r
x t p i n v k s e n a v
s t c z g d n m c d j i
o q l t i d y p t z a s
w a s h h a n d s n m e
z j q r z w m w a l k o
p x s d s i r k c n m o

walk	wash hands	listen
tidy	gloves	no food
clean	care	no drink
goggles	respect	supervise



What happens when you float different sweets in a bowl of water?

Can you use scientific reasoning to explain what you found out?

Don't forget to make your prediction first.

What will you keep the same and what will you change in your investigation?

What do you notice about which sweets sink and which sweets float?

For more fun science ideas visit

https://www.stem.org.uk/home-learning/family-activities?gclid=EAlaIqobChMIxsaVu5qS-wlVF-3tCh3WMgfREAAAYASAAEgKWR_D_BwE