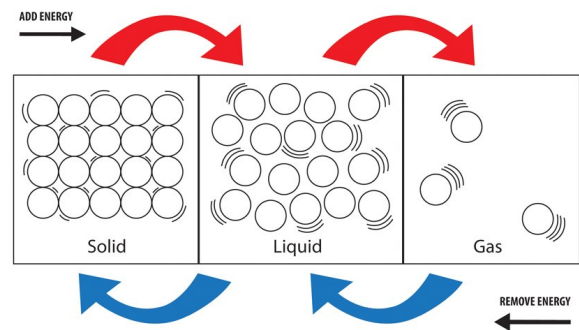




FAMILY HOMEWORK

Mad about Science

This term our main topic is Science! We are learning all about the changing of states. Solids, liquids and gasses; what these are and how they can change. We will be looking at some exciting reversible and irreversible changes. Use some of these ideas with your family to become Mad about Science!



Over the next term we will share your work at school so make sure you bring things in to school as you complete them!

Try these scientific activities with your family

Can you complete your own science experiment?
The Zoom Science website is full of ideas!

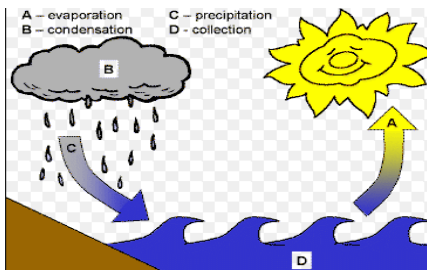
Baking soda bubbles
Cauldron bubbles
Colour splash
Colour symphony

Can you write up what you did and what you found out?

Research different states of matter. What are they?
How do we use them?

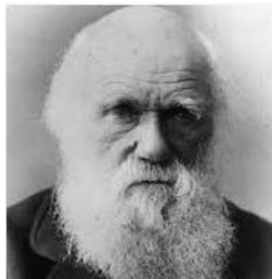


Collect water outside when it rains.
Where does this come from?
Where will it go if we leave it?



Who are these famous scientists?
Can you write a biography to tell me all about their work?

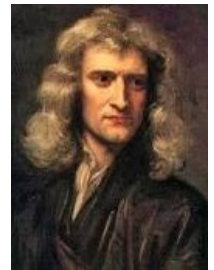
Charles Darwin



Stephen Hawking



Sir Isaac Newton



True or false.

- 1) There are three states of matter.
- 2) States of matter can not change.
- 3) Solids, liquids and gases are all made of particles.
- 4) Snow is a liquid.
- 5) We breathe in gasses.
- 6) Rocks can become liquid.
- 7) Solids can change directly to a gas.
- 8) Gasses are hard to compress.

WHATEVER
YOU DO...
DO IT
TOGETHER
AS A
FAMILY



Melt chocolate, make ice lollies or bake a cake. Look at the state your ingredients started with. How did they change once you heated or cooled them?



Use vinegar and bicarbonate of soda to create your own explosion.

Do this outside as it can get messy! How did the states of matter change?

Go on a family trip to learn about Science DISCOVER LONDON

Here are some ideas of places to visit:

Science Museum—So much science to see and explore here! Enjoy!



The Faraday Museum at the Royal Institution.

Visit this small but inspiring venue to play hands on games and explore important science theories.
Open Monday to Friday.



Remember to bring something in to tell your class about your trip. It could be a photo, drawing, poem, booklet, ticket,— anything.



Visit one of these amazing places over the term!

Kew Gardens - Explore mini-beasts in their natural environment.
Look out for the bee garden and the conservation area.

The Idea Store - Visit your local Idea Store or library to help with inspiration for your reading journal and to give you some ideas for your projects.



Mad About Science!



Use the box below to record any of the activities your family have enjoyed completing. Be ready to share some of your homework...

Name:

Class:

Parent's comments:

Signed: