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May 2020

# Week 6 #SolveItWithSTEM@Home

## Colouring and Experiment Pack

*featuring Eddie the STEM Guru*

We all need to make sure you follow a healthy, balanced lifestyle. This includes eating and drinking well!

Try to avoid too many sugary drinks or snacks.

Want to find out what happens to me when I have too many sugary things?  
Go to the next page...



Hello everyone and welcome to Week 6!  
Flick through the pack to find out what's in store for this week...  
**Don't forget to get an adult to help you with the experiment!**

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Colour me in!...  
Remember don't eat  
too many sugary snacks  
or drinks!



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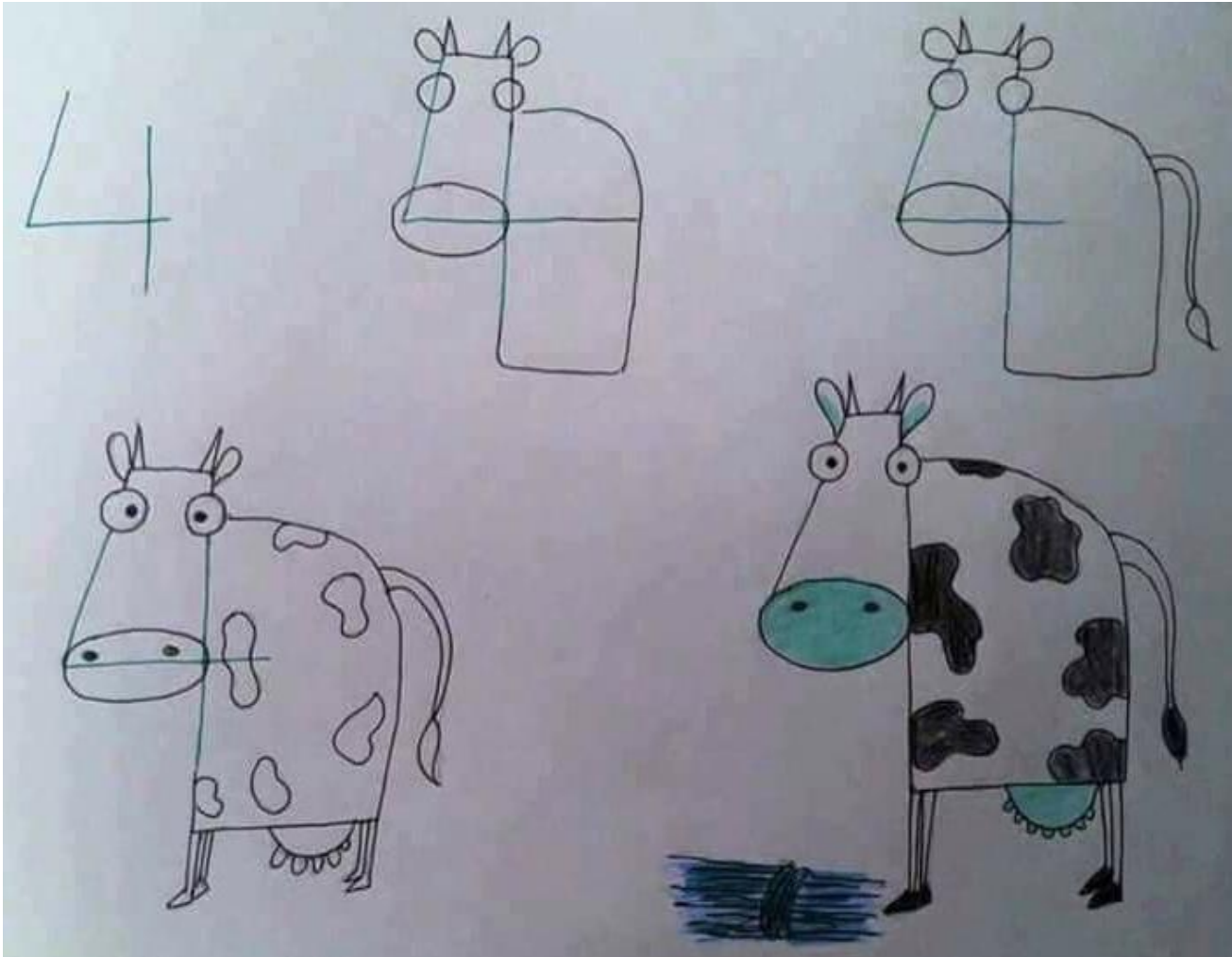
I love studying and performing  
magic to my friends and family!  
What about you?



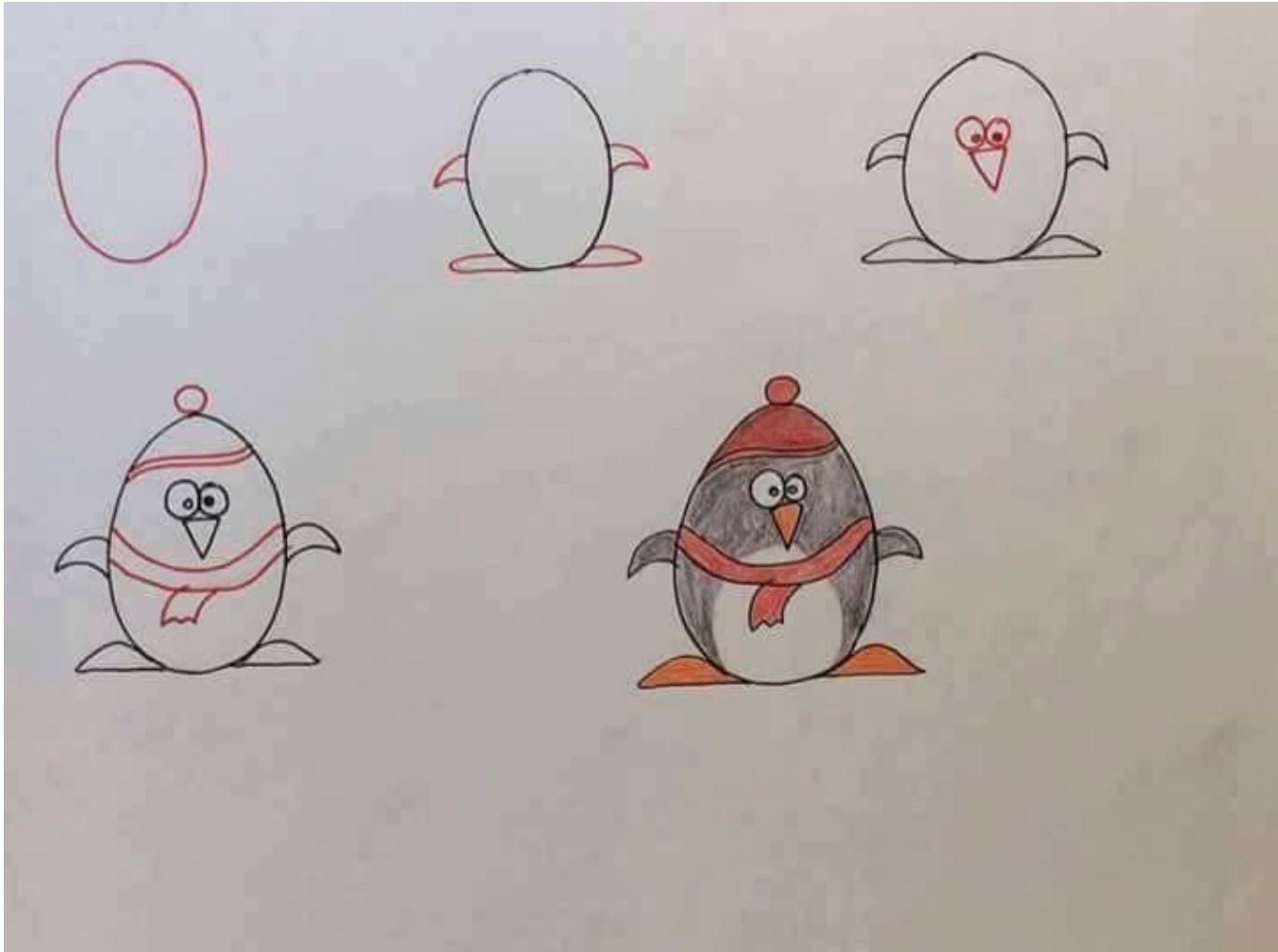
Eddie has created some questions from the word  
**MAGIC** – do you know what the answers are?

1. What **'M'** conducts electricity and heat well?  
(usually a shiny material!)
2. Who **'A'** travels to the moon and into space?  
(Also a STEM related career!)
3. What **'G'** is also the force that keeps the Earth in  
orbit around the sun?
4. What **'I'** when melted turns into a liquid form?
5. What **'C'** is used to make all our products at  
Fawley?

There are a number of different breeds of cattle in the New Forest ..... Did you know there are more than 800 different breeds around the world! Try and draw one .....



You won't find these in the New Forest! Did you know that penguins can swim at speeds over 10 miles per hour?! Have a go at drawing one below .....



# Experiment #7: Balloon in a bottle

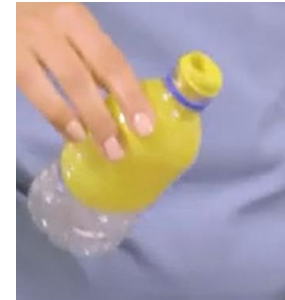
(Make sure this experiment takes place **alongside an adult!**)

## Items Required:

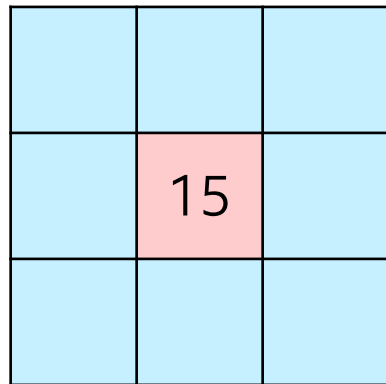
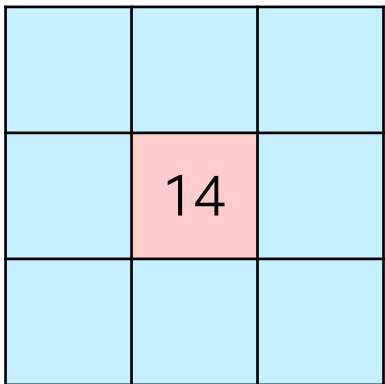
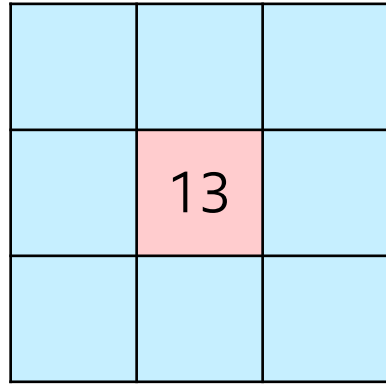
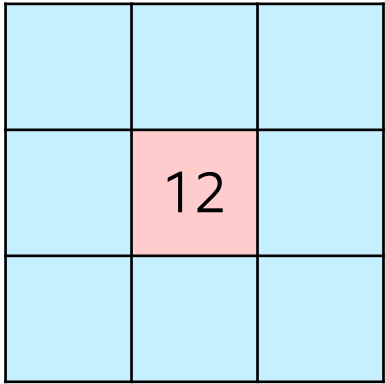
- Medium sized plastic bottle (around 1 litre)
- Balloon
- Sticky tape
- A needle or a safety pin

## Instructions:

- Take the plastic bottle and ask your adult for help in making a hole with the needle or safety pin on the side – near the bottom section of the bottle. The hole should be small enough so you can cover it with your finger.
- Put the balloon in the plastic bottle, putting the ends of the balloon over the rim of the bottle.
- Blow into the balloon and it will inflate.
- Use sticky tape or your finger to cover the hole in the bottle...the balloon should stay inflated!
- Take your finger or sticky tape off the balloon and it will deflate.
- Now try sucking the air out of the bottle through the hole and the balloon will inflate.



# Week 6 – Maths Questions!



Can you put the numbers 1 to 8 in each of the squares so that each side adds up to the middle number?





# Answers Page for Week 5 Infant/Primary Pack

## Compost Colouring Slide (Page 2)

Greens: Carrot Tops, Fruit Seeds, Hay, Coffee Grounds

Browns: Straw, Paper Bags, Sweetcorn Cobs, Egg Shells

Taken from the [Recycle Now](#) website

## 'PPE Stands For' Colouring Slide (Page 13)

C. Personal Protective Equipment

## Maths Question Slide (Page 8)

7	19	31	43	55
56	48	40	32	24
2	4	12	48	240

Here are the answers for Week 5...we will include the answers for Week 6 next week!  
Keep up the good work 😊



We hope you enjoyed the Week 6 activities.

Week 7 will be coming soon.

Best wishes

The ExxonMobil Fawley #SolveItWithSTEM Team!