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May 2020

# Week 3 #SolveItWithSTEM@Home

## Colouring and Experiment Pack

*featuring Alice the STEM Guru*

Hi everyone,  
welcome to week 3.

I hope you had fun with Eddie last week. It's my turn again and I have a great mixture of colouring in, questions and experiments for you.

**Just remember to carry out the experiments safely and make sure you have an adult with you at all times.**



Do you know how important it is to stay hydrated? We need around 6 to 8 glasses of fluid a day!

What do you think is the healthiest choice to drink?  
Write below:

Did you know you can recycle all  
of the materials listed below?

Metal Food Tins  
Newspapers  
Plastic Bottles

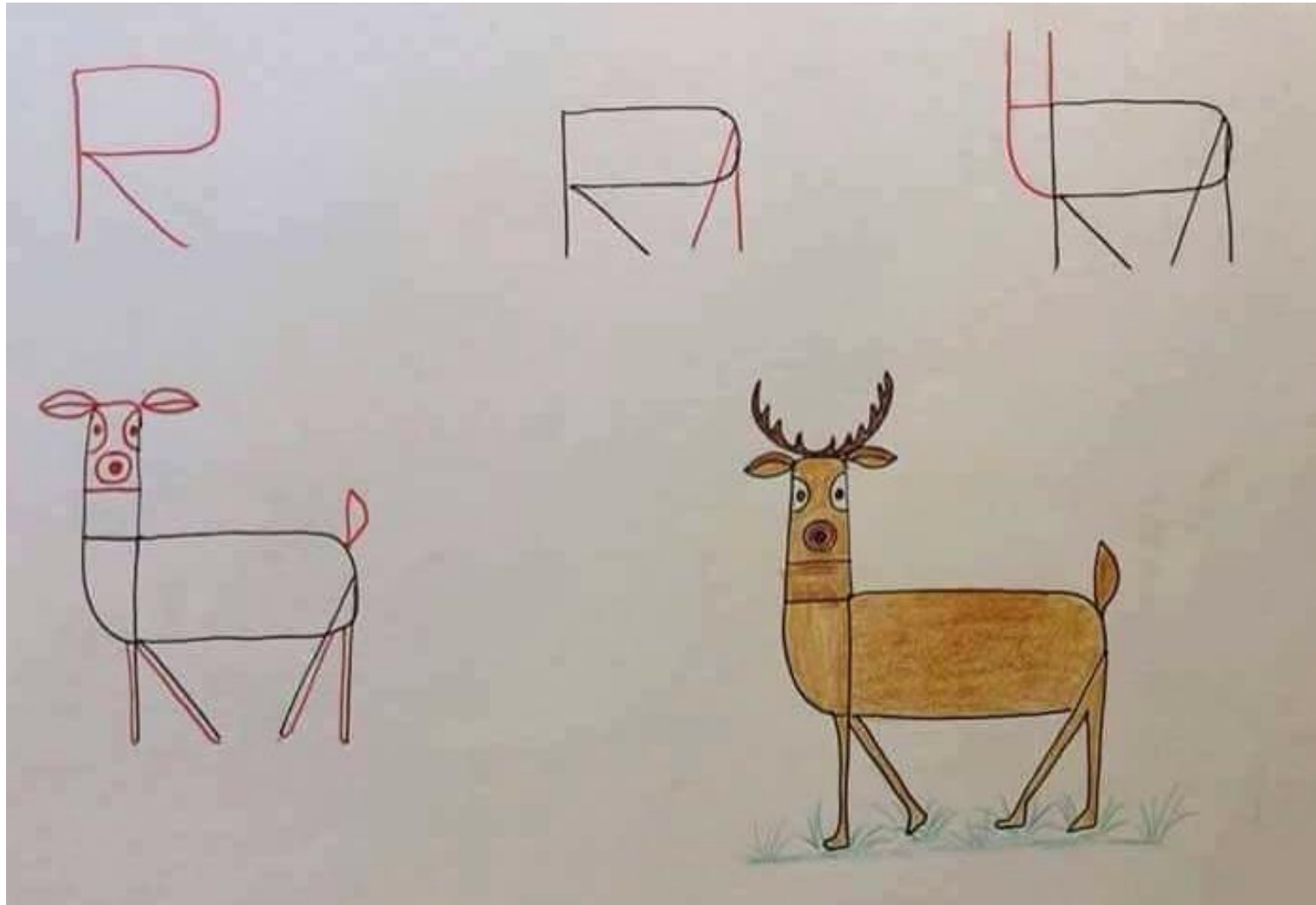


When I go out for my daily exercise, I like to go walking.

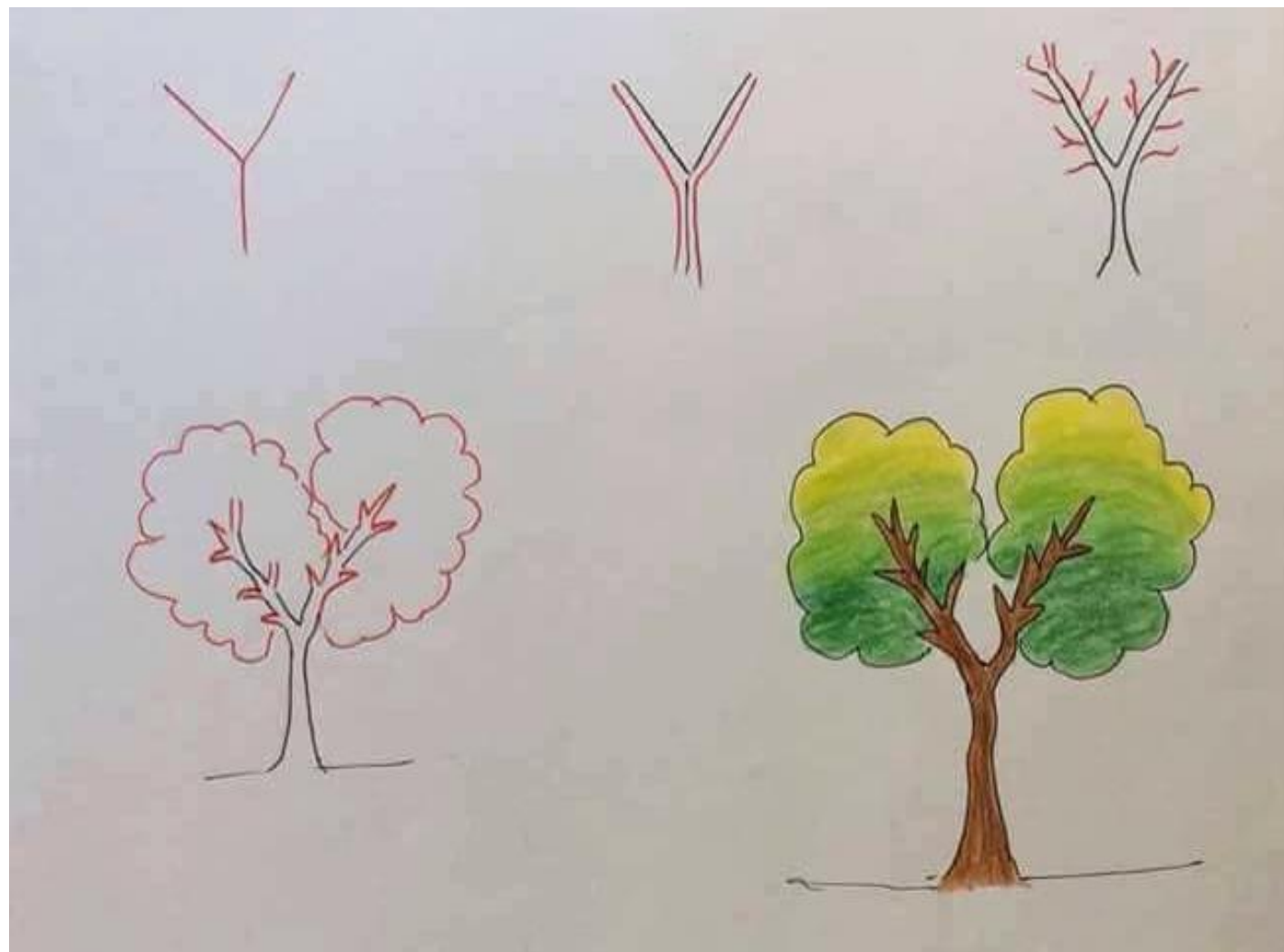
What do you like to do?  
Write below:



Have you ever seen a deer? There are some in the New Forest. Have a go at drawing one.....



There are also lots of trees in the New Forest.  
Try drawing one.....



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# Experiment #4: How to make a bouncy egg!

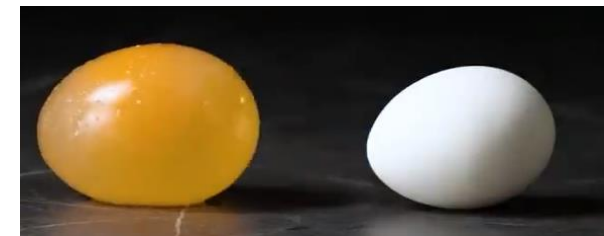
(Make sure this experiment takes place **alongside an adult!**)

## Items Required:

- 1 x egg
- White vinegar (works best)
- Bowl or a glass

## Instructions:

- Take the egg and place it in a bowl or glass.
- Fill the bowl or glass with white vinegar (brown vinegar will work but takes a lot longer) and make sure the egg is covered.
- Wait 24 hours.
- After this time, the shell will have dissolved and hey presto ... you have a bouncy egg!
- **BUT be careful** – before you try bouncing the egg, it is probably a good idea to do it outside. The egg will bounce several inches but don't bounce it from too high as the yolk will be on you!



# Week 3 – Maths Question!

Today we will show you that maths can be magical!

What is your age?

*Write it down!* .....

Take that number and add 10.

*Write your answer down* .....

Now times that answer by 2.

*Write your new answer down* .....

Now, can you take away 6?

*Write your new answer down* .....

Divide your new answer by 2.

*Write your new answer down* .....

And last but not least – take away 7 from your new answer and write it here .....

Don't tell Alice that I am here, I snuck in when she wasn't looking!

What was your answer?  
Is there something familiar with that answer?

The answer will be in the pack next week.





# Answers Page for Week 2 Infant/Primary Pack

## Dinosaur Colouring Slide (Page 3)

- Tyrannosaurus Rex
- 65 million years ago
- 1. Museum                      2. Barrel of Oil

## Maths / BODMAS Colouring Slide (Page 4)

By BODMAS the correct answer works out:

$$8 + (5 \times 2) + 3 - 6 =$$
$$8 + 10 + 3 - 6 =$$
$$18 + 3 - 6 =$$
$$21 - 6 = \mathbf{15}$$

The wrong way to do it:

$$8 + 5 \times 2 + 3 - 6 =$$
$$13 \times 2 + 3 - 6 =$$
$$26 + 3 - 6 =$$
$$29 - 6 = 23$$

Here are the answers for Week 2...we will include the answers for Week 3 next week!  
Keep up the good work 😊



We hope you enjoyed the Week 3 activities.

Week 4 will be coming soon.

Best wishes

The ExxonMobil Fawley #SolveItWithSTEM Team!