

ExxonMobil

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June 2020

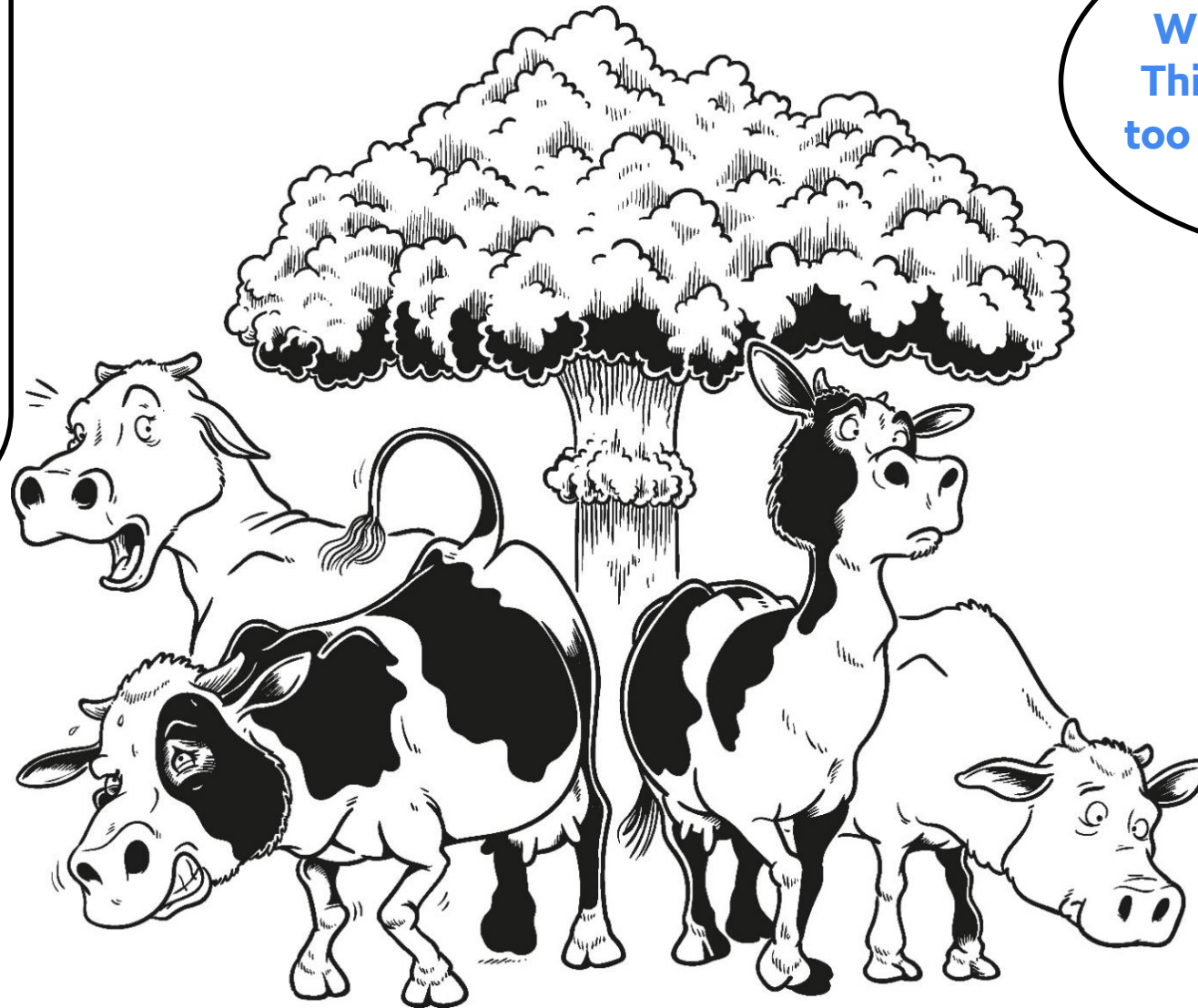
Week 8 #SolveItWithSTEM@Home

Colouring and Experiment Pack

featuring Eddie the STEM Guru

What gas is produced by cows burps/farts?

A lot of people think that cows have four stomachs – they actually don't! They have one stomach with four chambers which help break down what they eat.



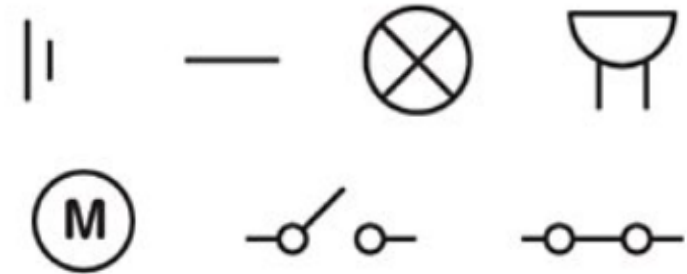
Welcome back to Week 8 everyone!... Think I may have had too many beans for my dinner!





Uh oh!!...Eddie didn't switch the power off before connecting the cables.

Circle the symbol(s) which represent a switch in a circuit.



Help me!! I've got my head into a spin...I can't work out what room I'm in! Please help me work out it out from the letters below.

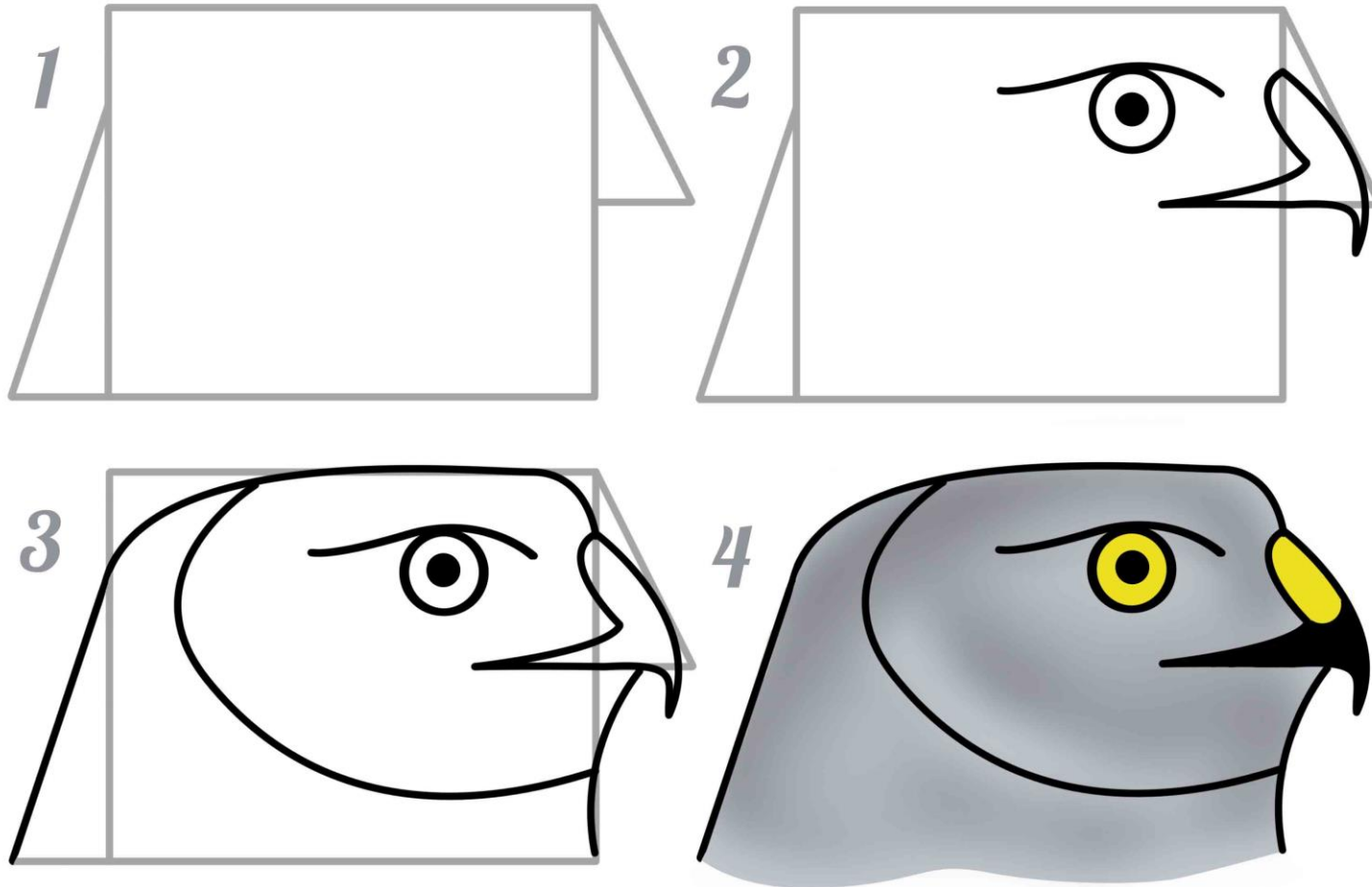


Answer:.....

N I H
E K T
C

How to draw a...hen harrier!

Draw a Hen Harrier



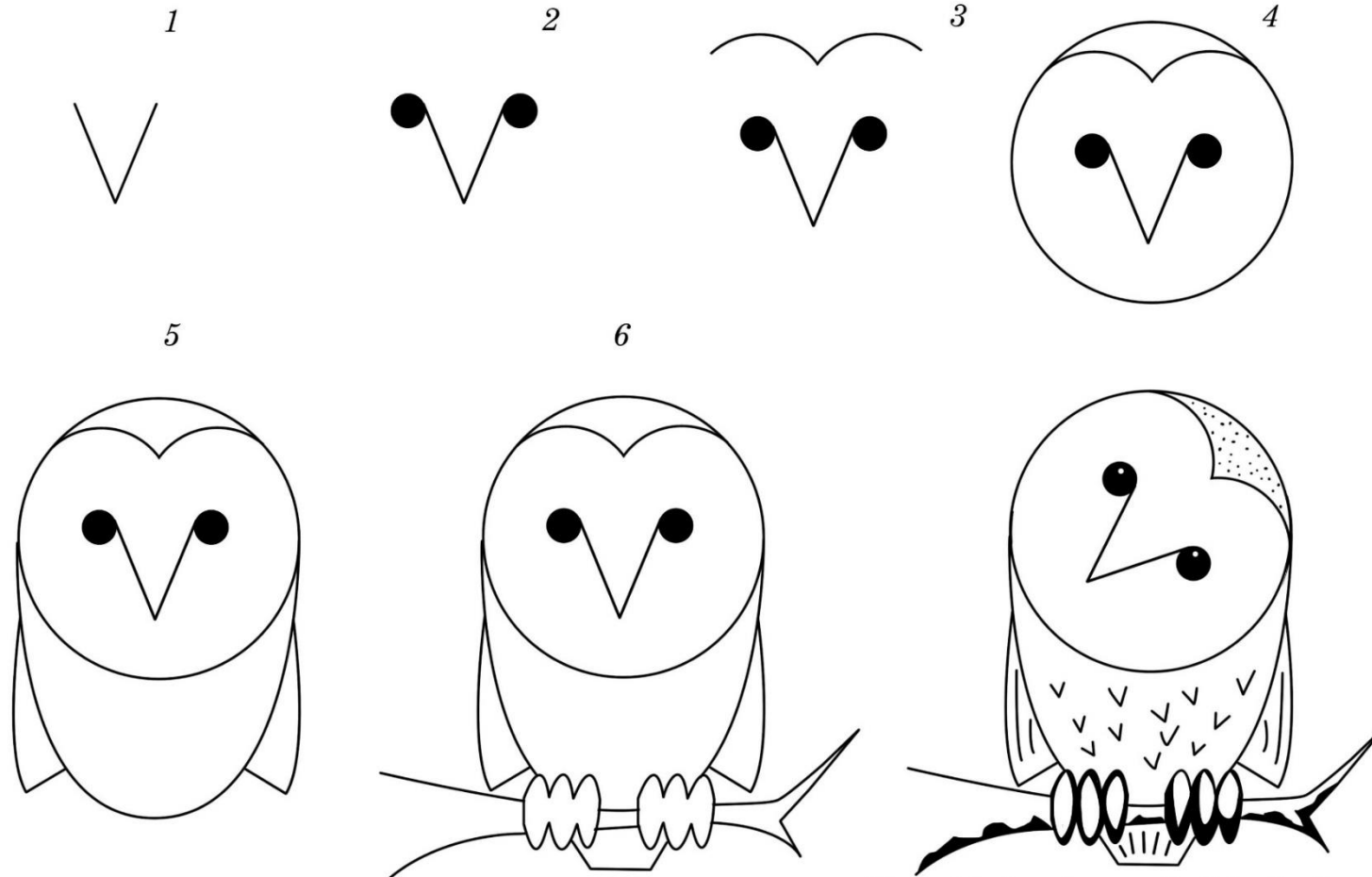
This week we have two 'how to' drawings relating to different species of birds.

My work friend, Martin, loves observing wildlife and has written and illustrated a number of books! You can follow his journey on his fantastic website:

www.skyhunterbooks.co.uk

Did you know the barn owl has excellent vision and can easily see its prey at night? Try and draw one...

Draw a Barn Owl



Experiment #9: How to make a crank winch

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

Items Required:

- Cardboard tubes (ones used for kitchen roll)
- Spool (an object that string or ribbon is usually spun around)
- Straw or pencil
- String
- Sticky tape
- Scissors
- Small basket (or an object to attach to the string)

Instructions:

Step 1. Tape two cardboard tubes to a solid surface. Use your straw as a reference tool for how far apart they should be placed from each other.

Step 2. **Ask your adult to make two cuts** at the top of each cardboard tube just big enough for the straw or pencil to rest and be able to spin.

Step 3. Put your spool on the straw or pencil. Now if you don't have a spool, you can simply secure your string to the straw or pencil with a piece of tape. You still have a hand crank winch! If you do use a spool make sure to secure it with tape to the straw or pencil. What if you don't secure it? The spool will just keep spinning around freely and crank winch won't work!

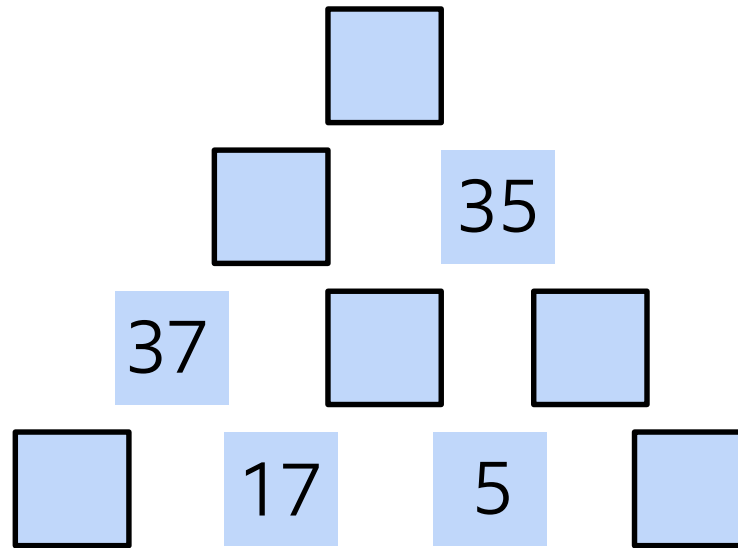
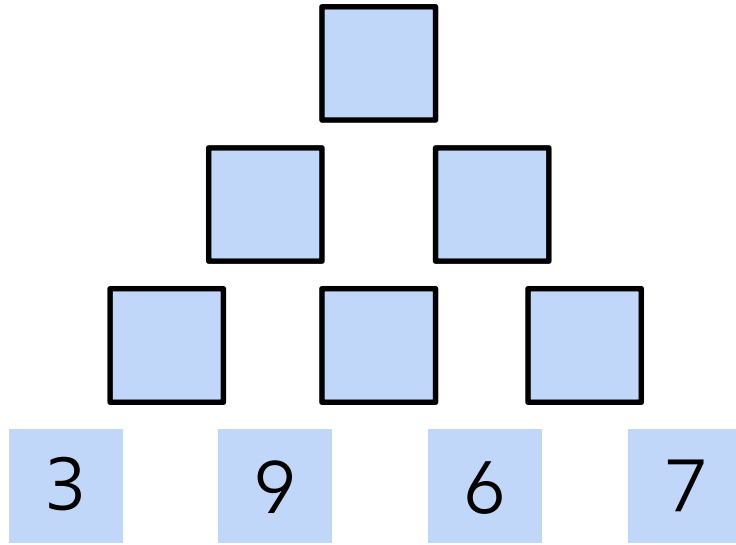
Step 4. Secure your string to the spool with a piece of tape (or to straw directly if you don't have a spool) and tie your basket or object to the bottom of the string. At this point, you could create a handle using a bendy straw and insert it into one end of the other straw.

Go ahead and test out your hand crank winch simple machine – what can you pull up with it?

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Week 8 – Maths Question!



In an addition pyramid, pairs of numbers are added together to make the number above them. Why not try these two...



Answers Page for Week 7 Infant/Primary Pack

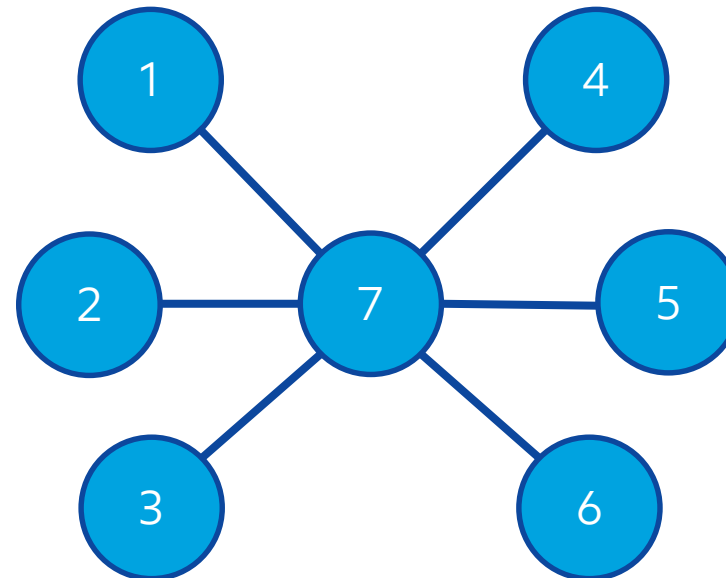
Tidying/Sweeping Colouring Slide (Page 3)

Dining Room

Wordsearch Answers (Page 4)

		E	P	P				C		
		G	N	I	R	A	H	S	O	
W	A	T	E	R				M	E	
	E		N	E				P	C	
	C		G	G	C			O	I	
	H		N		I	Y		S	L	
S	N	I			N	C		T	A	
C	O	N				E	L			
I	L	A					E	E		
E	O	E			S			R		
N	G	L			H				I	
C	Y	C			T					N
E			E	V	L	A	V			G
						M				

Maths Question (Page 8)



These lines all add up to 14.

There are several different ways of doing this, you could have 7 in the middle, or 4 or even 1!

Here are the answers for Week 7...we will include the answers for Week 8 next week!
Keep up the good work 😊



We hope you enjoyed the Week 8 activities.

Week 9 will be coming soon.

Best wishes

The ExxonMobil Fawley #SolveItWithSTEM Team!