



BOWERHAM NEWSPAPER



Spring 2023 Edition

Another busy term at Bowerham school, with the School Disco, Easter Bingo, STEM fortnight and Bowerham's got talent, not to mention trips and visitors to school. How do we manage to fit it all in!

We have all enjoyed this term, despite the cold and wet weather, and are looking forward to the warmer weather of next term, hopefully! We did enjoy the snow though and had fun playing on the field, throwing snowballs and building snow people.

Cerys, Eden and Alice, your newspaper team.



★ STAR PUPILS ★

The time has finally come to announce your star pupils. Everyone has worked super-duper hard this term but people on this list have put in the extra mile. Without further ado please welcome Bowerham's Star pupils!

RECEPTION



In Reception, we have Angel Mai and Leo. These two have worked incredibly hard in painting and are working on Phonics and sharing.

YEAR ONE:



**Well done stars
of Year One,
Polya and Pippa.
These pupils
have been
putting that little
bit extra into
their learning
this half term.**

YEAR TWO:



**Well done Elsie and Harley
from Year Two for working
extremely hard in literacy
and maths. You are both
stars.**

YEAR THREE:



Congratulations to Jemima and Joshua from Year 3. You are star pupils for great co-operation and being kind and were nominated by your learning champions.

YEAR FOUR:



Bravo Year 4 for stars Mikko and Aamira. You have been nominated for working really hard and improving in everything you do and following our Bowerham Best rules.

YEAR FIVE:



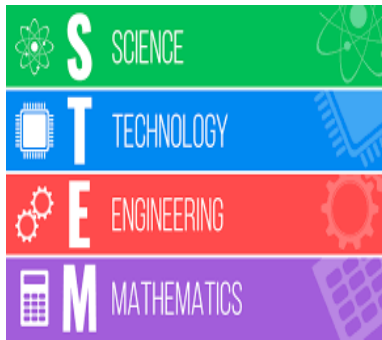
**Wonderful work Year Five stars
Dougie and Amelia, nominated for
working extra hard this term. You
have been described as being
wonderful and generous members of
Year Five.**

YEAR SIX:



**Well done Year Six you have been
working especially hard practising
for your SATS. Everyone has been
working their hardest, but the
learning champions picked Sophie
and Juliet.**

STEM



What a better start to the year as we entered 2023. In March, we experienced STEM FORT-NIGHT!!!!

We took part in this year's new projects that related to sustainable ideas for our future.

You're probably thinking what is stem fortnight? Well we have you covered. STEM Fortnight exists to allow pupils access to projects and engineers, to consider real life practical challenges and understand the expansive link between STEM subjects and how we live our daily lives. It covers everything from smart phones and food, transport and housing, to education and sport.

Let's move on to what each year covered!

Reception

This year reception made and

designed pancakes.

Year 1

Year one completed the egg drop challenge!!!

Year 2

Year 2 made puppets out of recycled materials.

Year 3

Year 3 made plant pots for vegetables and fruit.

Year 4

Year 4 made aesthetically pleasing wind turbines.

Year 5

Year 5 used old and recycled materials to make essential items, like bags etc.

Year 6

Year 6 made 3D models of a sustainable Lancaster.

The newspaper team hopes you enjoyed all your activities and stem week!!!



RECEPTION'S STEM REPORT

March 2023



LET'S TAKE FLIGHT!



RECYCLING

"We decided to ask our families not to throw their packaging away...but to bring it in to school instead, so that we could use it to create new and exciting broomsticks that would carry different creatures in some very bespoke ways!"

Our new broomsticks are very environmentally friendly...

Henry: "It needs some fire at the back so that it can go **super super** fast..."

Oriana: "It will need a fire extinguisher because the dragon will breathe fire."



Reception were inspired by the story 'Room on the Broom' on World Book Day. It was decided that more animals ought to take Public Transport...



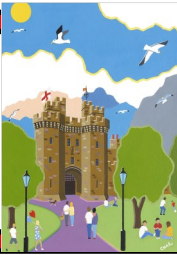
...the Witch's broomstick!



"Whizz...Zoom...Crash...Fizz"



Flying High!



Chas Jacobs



Year 1's Watercolour Paintings



Year 1 children meet a local artist

As part of the Year 1 Art curriculum, we have been looking at artwork from local artist- Chas Jacobs. We were over the moon when Chas said yes to visiting our school. The children worked with Chas all day and developed skills in painting with watercolours. Chas sat with the Year 1 children and taught them all the skills they needed to know to create a beautiful painting including: mixing colours, different perspectives, using a pencil and rubber and exploring water colours. Wow, what fun we had! We are grateful for this experience and it is definitely is one to remember. Thank-you Chas!

Our thoughts..

"Chas Jacobs is a fantastic artist." Eva

"I liked using the water colours to make my picture even better!" William

"Chas showed us all how to be artists for the day!" Giorgio

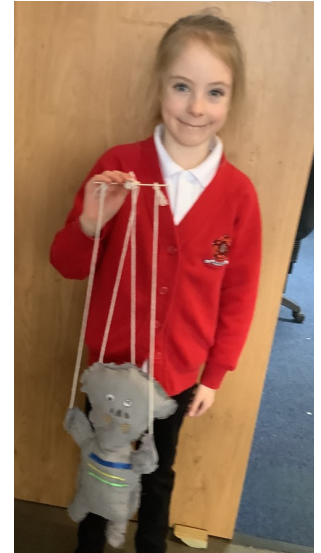
"This was the best day of school ever. I loved mixing colours on my painting." Edie

Creating our own Water Colour Painting



S.T.E.M Fortnight

Dinosaur Puppets



The Year 2 children sew dinosaur puppets!

Throughout STEM Fortnight Year 2 have been completely immersed in all things STEM!. The children have absolutely loved learning how to sew different stitches, learning how to thread a needle, creating their own templates to draw on to fabric, using hot-glue guns and designing their puppets.

First we looked at our problem. We wanted new toys but did not want buy any new materials especially not plastic. We decided we would make puppets out of recycled materials. We then looked at existing puppets to help us generate ideas of our own. Next we sketched and annotated two design ideas and then used these to create a final design. After that we created a dinosaur template using cardboard. We drew our own designs for this. We then used the template to create the shape of our puppets onto fabric. We did this twice and joined the materials using hot glue and our new sewing skills. Finally we added mechanisms and details.

What have we learnt?

"We have learnt how to sew using different stitches." **Hugo**

"I liked learning how to use a hot glue gun by myself." **Thea**

"I really enjoyed learning how to make a template for drawing onto fabric." **Abi**

"We learnt how to design and make puppets by ourselves." **Phoebe P**

"We learnt how to do back stitch, blanket stitch and running stitch."
Nico

"We used fabric scissors to cut our fabric." **Sebastian**

"We enjoyed adding details to my puppet including googly eyes, ribbon for stripes, cardboard teeth and spikes." **Annabelle and Beatrix**

"I enjoyed making the string mechanism so my puppet could move."
Scarlett

Puppets!



PERFECT PLANTASTIC PLANTER PRODUCTS

Year 3



3DM filling their indoor planters with soil.

In STEM Fortnight 2023, Year 3 were given the task of providing a more cost effective way to save money in The Cost of Living Crisis as well as maintain a healthy lifestyle and a healthy diet.

Year 3 decided to make indoor plants to grow our own fruit and vegetables so that we could save money in The Cost of Living Crisis. The whole of Bowerham School took part in an assembly, where they discovered what The Cost of Living Crisis was, and they also had a competition to see who could design and build the sturdiest tower, made of spaghetti and marshmallows. Mrs Austin and Rayan represented Year 3 in the competition, however they did not come out victorious.

On Monday, the Year 3 children started to understand what a healthy diet was, so that they could plan and design indoor planters that could support this learning. In the days following this, year three started to create their designs. They drew diagrams and annotated these so

that their plan was very clear for their creating day. The children used recycled materials that they had brought in from home to make their designs a reality. These designs closely reflected their diagrams. Later on, the children evaluated their designs and we were very proud of themselves. "I thought my planter was excellent because it let my plants grow and it was cheap to make," noted Oscar. On Friday, the children were very excited to use their indoor planters and put soil, compost and seeds into their designs. The children could choose from cucumber seeds, carrot seeds, courgette seeds, runner bean seeds, or leek seeds. The children were very excited to take their planters home and hoped they would grow quickly! "Mine hasn't started to grow yet!" Exclaimed Hugo. Lots of the other children were also waiting to see their plants grow at home.

On Tuesday 14th of March, Year 3 travelled on foot, through the wind, rain and snow to Claver Hill, an allotment in Lancaster. The children were very excited even though they had to withstand the inclement weather! "It was freezing!" Shivered Zeke. Fortunately, when they arrived, the weather improved and the children met the site su-

pervisor. Then the children split into 3 groups to observe the plants and vegetables in the poly-tunnels. Year 3 were given lots of seeds to plant and take home. These were beans, peas, salad and spinach seeds and the children placed them carefully in cardboard tubes and plastic tubs. The site manager, Steve, kindly dropped round the plants later that very same day! "It was really fun! It was my first time at the allotments," shared Miles.

On reflection from STEM Fortnight, making indoor plants is a much better source of healthy foods in a cost of living crisis! Year 3 saved lots of money and time by designing, creating and planting their own indoor planter designs. Are you interested in this venture to combat The Cost of Living Crisis and be a healthy eater.



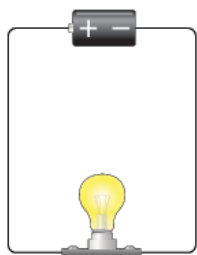
3AO measuring soil to put in their indoor planters.

An Electrifying Time!

Year 4 investigated electricity

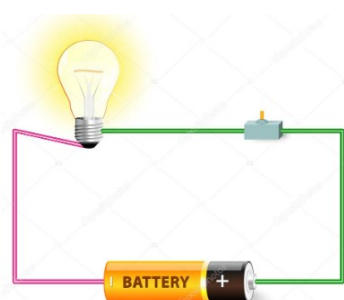
During STEM fortnight, Year 4 looked at electricity; how it is made, how to make circuits, conductors and insulators and designed and made wind turbines. As well as this, we made e-books, phew we were exhausted!!

We started the fortnight by looking at electrical circuits and making some of our own. We learned that we need to make a



complete circuit for the electricity to flow, like in the diagram here.

We then went on to make switches so that we could control the flow of the electricity, because we don't want to have our appliances on all the time, that would be wasteful!



"I found circuits fascinating." reported Louis from 4UE. "We need switches so we don't have high energy bills." said Jack from 4RD.

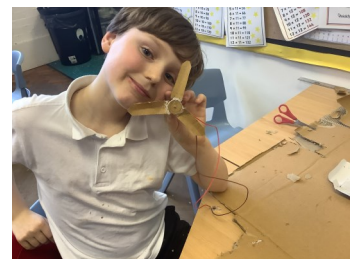
We then carried out an investigation on which materials make good electrical insulators (something that doesn't let electricity flow through it) and those which make good electrical conductors (materials which allow electricity to flow through them.) "Metal allows electricity to go through it but plastic doesn't because it's an insulator." said Ben from 4RD.

"We made e-books on what we had learned and on saving electricity." Reported Lily from 4RD. "I really enjoyed making e-books." said Ivy from 4UE.

We are now waiting to share our amazing e-books with the children in Year 3.

Finally, we looked at renewable sources of electricity and at how wind turbines work. We did lots of research and designed our own which were attractive to look at and would deter birds from

going near them. Isaac from 4RD found out that if they are black and white, birds will avoid them. We built our own wind turbines using what we had learned, however, sadly, we couldn't get enough wind power to generate electricity to power our lightbulbs.



"Maybe we could have made the wind turbine lighter." said Ivy from 4UE. "Maybe we should have made the blades longer." said Paddy from 4RD. "Maybe we could have put the blades more evenly on the turbine." said Sky from 4RD.

Despite this, we all enjoyed STEM fortnight and learned lots. "We had a blast!" said Year 4.



Reduce, Reuse, Recycle

Year 5 upcycled materials to create new things from old.

During STEM fortnight, Year 5 used unwanted material and clothing to create bears, blankets and bags. Throughout the two weeks, Year 5 filled out a STEM fortnight booklet which had all of their ideas and designs in.

Year 5 started STEM fortnight by looking at the cost of living crisis and thinking about things we could do to help save money. We decided that reusing old and unwanted clothing would save money and be better for the environment because you are using things that you have already bought and don't have to spend money on new products. This means that



fewer new products will be needed, which reduces production costs.

We investigated existing products and evaluated the design, durability and whether they were fit for purpose. Following this, we chose which product each of us would make.

Before we could make our product, we had to learn different sewing

techniques: back-stitch, over stitch, blanket stitch, running stitch and how to sew on a button.

We made a mood board where we brought all of our ideas together. We stuck pictures of existing products we liked and samples of material. "The mood board was fun, we got to design and draw ideas!" Dougie in 5NM exclaimed!

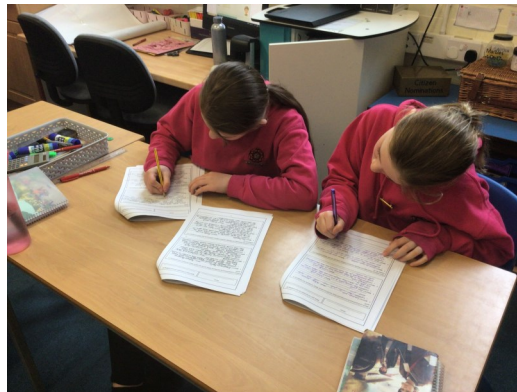


Sustainability Is On The Loose

Yr6 investigated how to reduce the impact of the cost of living crisis.

During STEM fortnight, Year 6 looked at how to make Lancaster a sustainable city.

We started the fortnight by researching about what currently takes place in Lancaster; we split up into pairs on our tables to do the research about Lancaster. The four main subjects we were focusing on were energy, food, transport and nature.



Many people liked how their designs turned out because of how it looked, the sturdiness and how it looked just like their design.

We each made 3 designs and exploded diagrams. We all completed a Lifting document in our project booklets. Over the next few days we got all the paint, cardboard and loads more materials out of the cupboards. Our classroom went wild! "Making designs sparked my inner self" said Esme in 6LB. "It was so fun!" reported Jude from 6NH. "I knew over the fortnight our classrooms would get messy!" Juliet from 6LB quoted. "When you put your mind to it anything is possible!" said Amelia in 6LB. We all got together on our tables and discussed what is already in place and what could be put in place; we discussed placing more eco friendly things: allotments, green houses, and to encourage people to use more electric cars to help save our world!



Focus: Food

Lifting document

Sustainable Solution	Materials	Conditions needed to work and conditions that impact it.	Date to review and Date to replace
Allotment	Wood Soil Sun Seeds Grass	Sunny area Area Drainage Water	Every 2 or 3 days.
Farm	Seed Area Sun Animals	Water Drainage Sunny Area Space.	Every day all day.
Food Bank	Building Food Borrowed space Kitchen	A borrowed building. Area	Every day all day.

We designed many diagrams and turned them into exquisite exploded diagrams.

	What is in place?	Is this being used effectively and sustainably?	What could we put in place?
Nature	Allotment Potted plants Rubbish Hedge Eco hub	✓	Nature reserves Plant beds Hedge Form allotments Hedge
Food	Allotment Open market Local butchers Local shop / Eaters locally	✓	Food banks Food boxes on windows Form allotments
Energy	Wind turbine Solar panels in east Methane	✓	Wind turbines Tidal power collector Solar panels
Transport	Towns Cycle/bike paths Renewable transport Horse and carriages	✓	Sail boat Cycle paths Electric car charger



A Notment Design

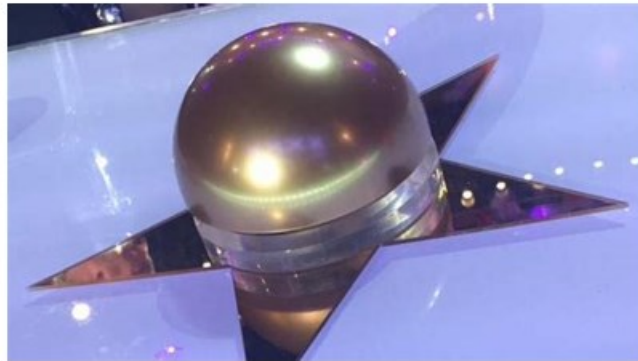
Design and label your solution.

Materials	Equipment/Tools
Card board Tissue Paper HollyPop sticks Buttons	Hot glue gun Glue stick Celotape Paint Paint brushes.

Explain why you chose these materials.
Because they can make my design stable, they also are easy to find in shops.

BOWERHAM'S GOT TALENT

Well done everyone for trying your hardest in auditions you all did amazingly well. There were some people who stood out to the panel the most though, and that was...



Year 5:

Anna

Darcy

Nieve's group

Year 6:

Jacob

Molly S

Elsa

Year 4:

DPD driver's

Magical aces

Comedy puppets

Year 3:

Gymnast Group

Zeke's dancing

Jamie

Year 2:

Layla

Reuben H

Amelia

Abigail & Abi

Year 1:

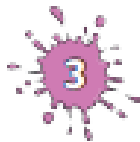
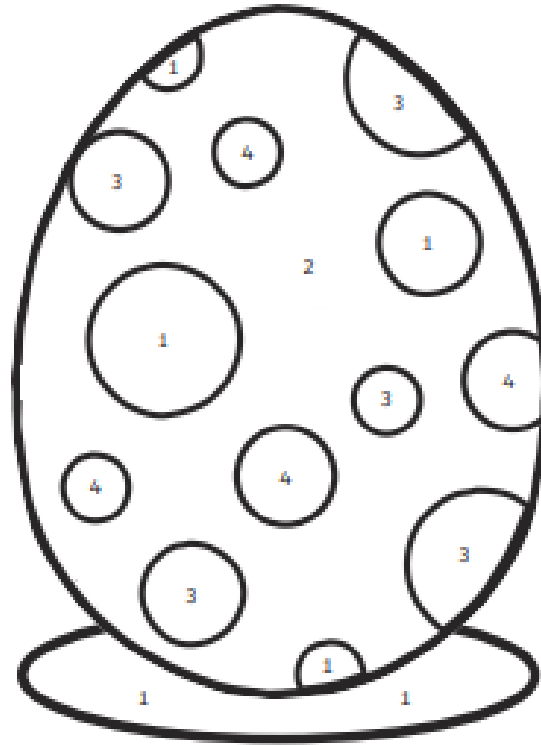
Penny

Amarissa

Toby & George

Just For Fun—EYFS

Easter Colour by Number



Spring Spot the Difference

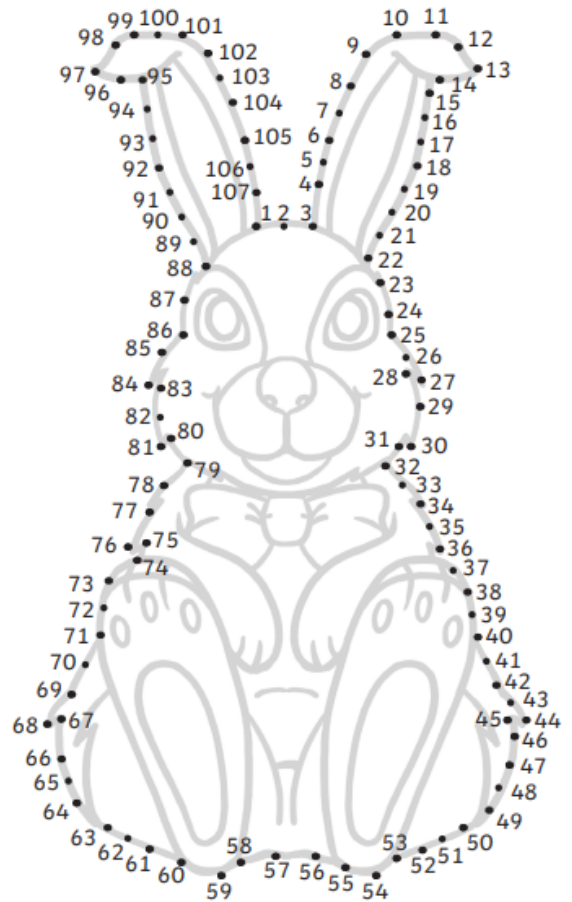
There are six differences in the pictures below, can you find them?



Just For Fun—KS1

Dot to Dot

Join the dots to reveal the full picture!





Easter

S	K	B	U	N	N	Y	J	B
P	D	A	F	F	O	D	I	L
R	R	H	B	A	S	K	E	T
I	E	H	A	D	J	E	I	E
N	L	I	R	R	Q	A	C	A
G	L	Z	B	D	I	E	H	S
X	A	S	W	H	E	C	I	T
R	M	S	E	G	G	S	C	E
N	B	N	V	D	A	A	K	R



EASTER
EGGS
SPRING
LAMB



BASKET
DAFFODIL
CHICK
BUNNY

Easter Spot the Difference



Just For Fun—LKS2

ANIMALS

G E S U O M H N W R B W C W L
 X D A Q H J X O O M L T H W J
 B W S H N L H T P I C R A W M
 Y W M E F F A R I G L K D O G
 R C K R R R S Y K T H I P P O
 J T O W I E F B X X L Q R J E
 D R O T A G I L L A E B Z H X
 T H N X P I C L F C R V Z S Z
 V N H R S T H E T D R I B I Q
 N Z A C S T Y X L W I N H F L
 W U Q H K L J A E A U F A H F
 V Q Q D P O Y K N V Q Z A T V
 X M T L Q E T J Y E S Y R C H
 T A C K Q C L K M O N K E Y R
 P T S H W L Y E T D R A H T L

CAT	HIPPO	MOUSE	TIGER
DOG	SQUIRREL	MONKEY	
BIRD	GIRAFFE	ALLIGATOR	
ELEPHANT	FISH	LION	

Name _____ Color by Number: Addition to 10

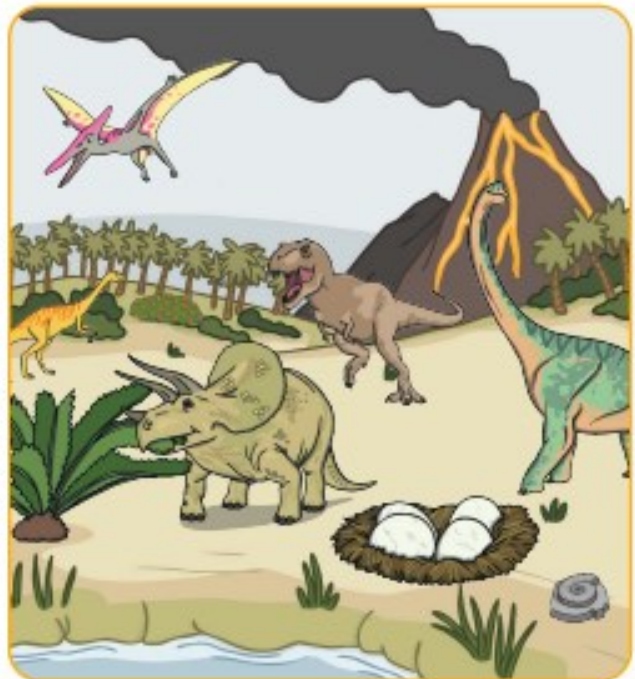
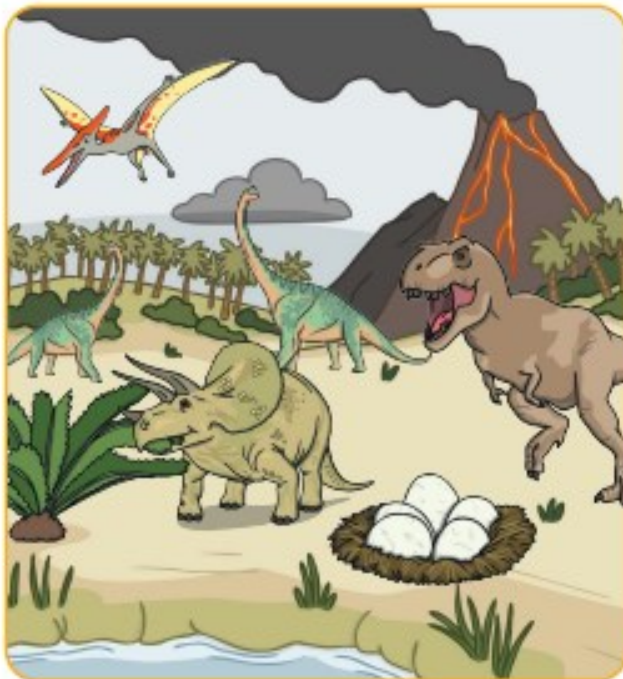
Color by Addition

$3+7=$ $4+5=$ $7+1=$ $5+5=$ $6+0=$
 $1+6=$ $2+4=$ $10+0=$ $8+1=$ $7+1=$
 $3+3=$ $1+7=$ $5+4=$ $4+4=$ $2+3=$
 $4+3=$ $3+3=$ $2+5=$ $4+2=$ $9+0=$
 $9+1=$ $6+4=$ $3+2=$ $5+2=$
 $5+0=$ $1+6=$ $7+2=$ $5+3=$

Blue (5,6) Purple (8) Yellow (9)
 Green (7) Red (10)

Dinosaurs Spot the Difference Game

There are eight differences in the pictures below. Can you spot them all?



Just For Fun—UKS2

Video Games

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



Rainforest Spot the Difference Game

There are eight differences in the pictures below. Can you spot them all?

