



# BOWERHAM NEWSPAPER



## Spring 2024 Edition

Another very busy term here at Bowerham, with trips, visitors, Bowerham's Got Talent, World Book Day, Music festivals, Young Voices, bird watching, sports events, seed planting and even a play in the snow! We've all had a wonderful time,

however, we're very ready for a rest over the Spring holiday. We wish everyone who will be celebrating Eid a very happy Eid and everyone who will be celebrating Easter a very happy Easter.



# Reception at Bowerham

Reception enjoyed learning all about how we can Save the Ocean and Plastic Pollution during STEM Fortnight.

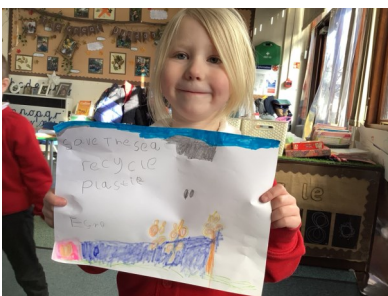


We learnt about different types of materials and talked about different plastic, learning that it can be hard and soft and often single use! We also learnt that plastic is not bio-degradable.



We also learnt the many ways we can help save our Oceans. "We can help by litter picking and recycling." said Emma.

We learnt that plastic pollution is one of the biggest problems that sea creatures face and talked about how it ends up in our Oceans.



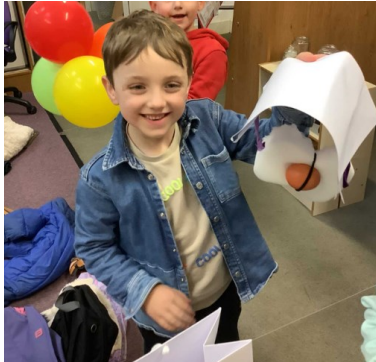
"It is very important that we are Environmentalists, so we can save the sea creatures and keep our world clean!" said Rowan.

We enjoyed doing lots of exciting activities surrounding our topic, such as litter picking, designing machines to clean up the ocean, designing posters explaining how we can save the ocean, creating a turtle out of many different types of plastic and sorting recycling.





# An egg-citing challenge for Year 1



Our Year 1 children were egg-static with anticipation as they prepared to take part in a thrilling, and somewhat messy, STEM challenge-The famous Egg-Drop! Year 1 students put their scientific minds to the test and came up with creative ways to protect their eggs from a significant fall.

The rules of the challenge were simple but required out-of-the-box thinking and careful planning. After our investigations and learning around shock-absorption and air resistance, each student was tasked with constructing a device to protect their egg from breaking when dropped from a height. Materials such as cotton wool, bubble wrap, and even sponges were allowed, sparking the students' imaginations and creativity. Some children opted for a simple parachute design, while others constructed elaborate contraptions involving straws, string, and even balloons!

Year 1 show-cased their contraptions on Thursday 14th March in our lower hall. With bated breath, each child took a turn dropping their precious egg. Gasps of anticipation filled the

room as eggs were catapulted into the air, their contraptions spinning, twirling and splatting. It was a great afternoon with many eggs surviving but some were left scrambled.

The Egg Drop Challenge proved to be both educational and entertaining, allowing the students to develop their scientific thinking and problem-solving skills in a hands-on and enjoyable manner.

Thank you parents for coming to watch and well done to everyone for your amazing work!

### Quotes from the children:

Lily- "I predicted the cotton wool would protect my egg cause it is soft and fluffy."

Henry- "I have decided in conclusion from our experiment-I will use sponges."

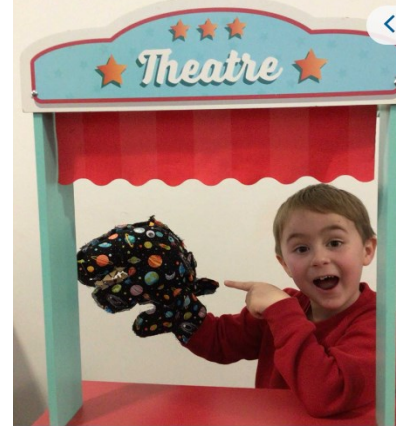
Kuba-"I am SO EGG-CITED!"

Bobby- "The balloon will slow the egg down."

Noorah-"The balloons were very very good because they were slow and the wind didn't blow them."

# STEM Fortnight

## Year 2's - 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 to 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, 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." **Eddie.**

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

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

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

"We learnt how to do running stitch." **Seren.**

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

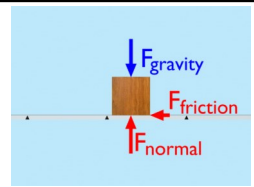
"I enjoyed adding details to my puppet including googly eyes, ribbon for stripes, cardboard teeth and spikes." **Eva and Henry.**

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

### Puppets!



# STEM FORTNIGHT 2024



## Fun Friction at School



### Year 3 children testing friction on the school playground.

During STEM Fortnight at Bowerham school, Year 3 have been learning about forces and magnets to make our Roman chariots. This all happened between March 4th and March 14th.

On the 4th March 2024 in a booming playground, Year 3 children carried out a super science experiment of fabulous friction using brave Bowerham Bear on a zooming zip line.

The year 3 children were testing friction by sending Bowerham Bear down a zip line holding on to different materials. They found out that the material which moved the quickest down the ribbon had the least amount of friction.

When asked, some of the children told us what they thought about their investigation. "It was amazing!" Owen said. Isla went on to say that she enjoyed her afternoon of experiments very much.

When the children have finished all of their investigations they will be using their knowledge to make something, I heard something about Roman chariots. Maybe that's what they're making.



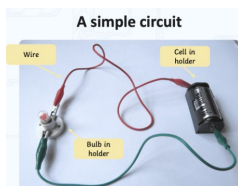
# Superb STEM

Year 4 learned all about electricity and circuits, carried out investigations and created magical moving cars!

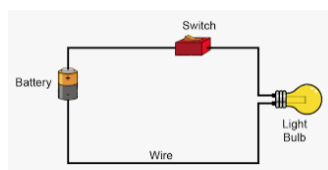
During STEM fortnight 2024, the theme was Having Fun! Year 4 investigated electricity, created moving cars and wrote e-books.

The fortnight was opened with an exciting assembly where groups of children carried out exhilarating experiments in the hall. There were bouncing eggs, cola explosions, volcanic eruptions, even a zip wire!

We began the extravaganza with learning all about circuits and how they work. "We discovered that the circuit has to be like a loop." said Tom.



We then put in a switch because we wanted to control the flow of electricity. "You don't want to waste electricity so we have to be able to turn it on and off ." said Lily.



Electrical circuit with a switch

"We made our own switches with cardboard, paper fasteners and paper clips. They worked brilliantly." said Theo. "The paper clips had to touch so that the circuit was whole." said Eben.

In order to find out which materials were electrical conductors and which were electrical insulators (conductors are materials which allow electricity to pass through them, insulators don't). We discovered metals make good electrical conductors and wood, paper, rubber and plastic make good insulators. "We need insulators so that we don't get hurt." Brooke explained.

All of us enjoyed carrying out the investigation and taking part in circuit making.

During the second week,

we carried out a Design and Technology project, designing and creating an electric toy car. "We carried out research and took ideas from different cars to design one of our own." Rayan explained. We had to look at what worked well and what needed changing along the way.

On Wednesday 13th March 2024, we created our very own e-books on electricity. We had to include text, shapes, images, hyperlinks and audio. The last 2, we even managed to hide behind an image and gave instructions on how to access them.

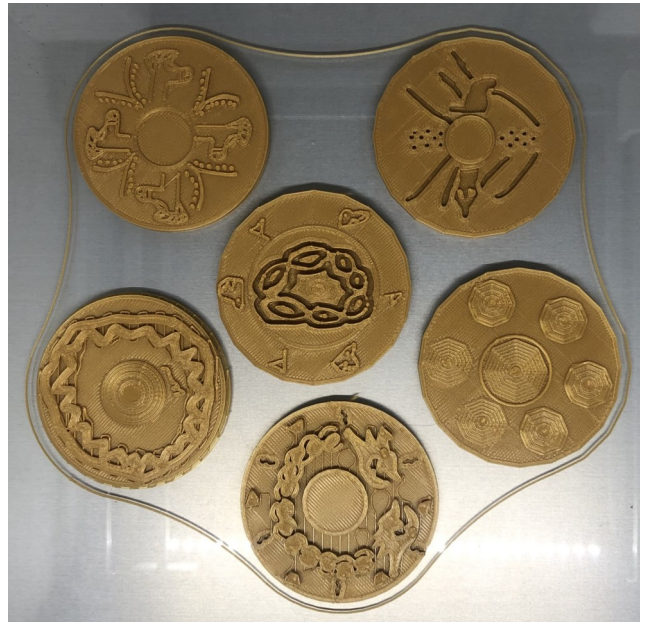
We all really enjoyed our



An example of one of our e-books

STEM activities during the fortnight and can't wait to see what we'll be learning in Year 5!

This half term, Year 5 were very lucky as we had the opportunity to get creative using a 3D printer! In Art we had learnt about Viking style art and then created our own Viking shields. We then copied our designs onto Tinkercad to create a 3D version. After we had done this we could then send them to be printed in 3D! We created our shields to add to our STEM project of creating a modernised Viking Long-ship.



# Year 5

# STEM

As part of our learning, we carried out scientific investigations of materials, in order to find the most appropriate materials for our Viking long-ships. We used a range of different tools to investigate whether materials were thermal insulators or conductors, waterproof, electrical conductors and magnetic. In addition, we tested the hardness of materials.

Before we created our Viking long-ship, we used our new knowledge of the properties of materials to help us in the design stage. We chose materials for the build, and evaluated our designs as we went.

# MARBLE DAY MADNESS!

## Year 6 had a terrific marble day!

On Friday the 1st of March was the Year 6 marble day and they took part in lots of fun activities throughout the day.

To start off the day they attended an assembly about STEM fortnight, which was very exciting, with lots of experiments taking place. This was followed by some colouring and chill out time before break time.

After break, there were sports on the

MUGA which were very much enjoyed by everyone who took part in them.

In the 6LB classroom there were nail and hair salons run by Miss Bailey and Miss Henderson, everyone looked very glamorous by the end of the morning!

Lunch was around the corner, but it started to rain which meant the footballer's had to go inside for an hour.

Emma said "It was fun, but we could have had

more activities." Whereas Starr said "It was really good and entertaining."

Jumping into the afternoon, Year 6 were offered three choices:

To go into the hall to take part in an exciting disco

To create a cosy pillow fort ,

Or watch a movie in 6LB.

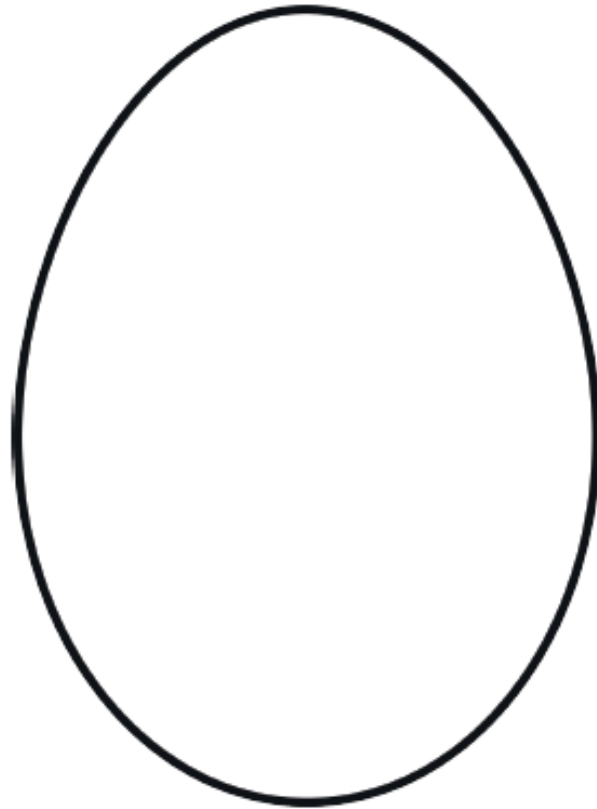
they all really enjoyed their Marble Day and are looking forward to the next one.

After SATs, obviously!



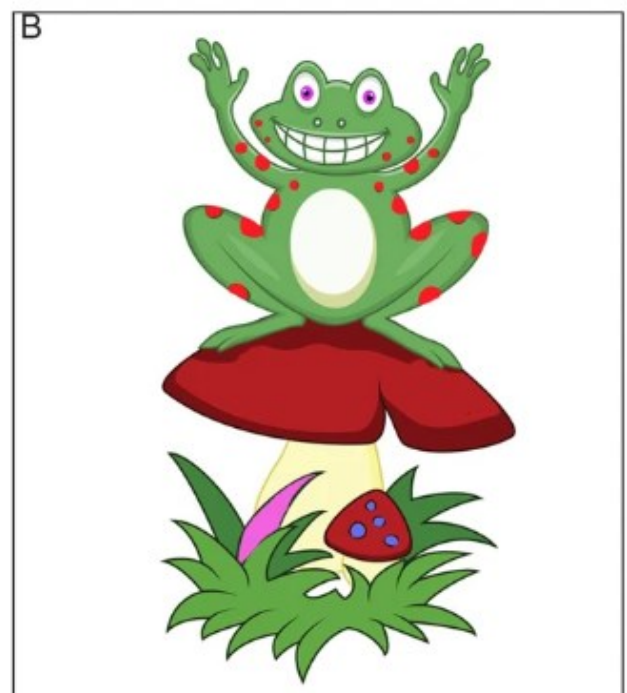
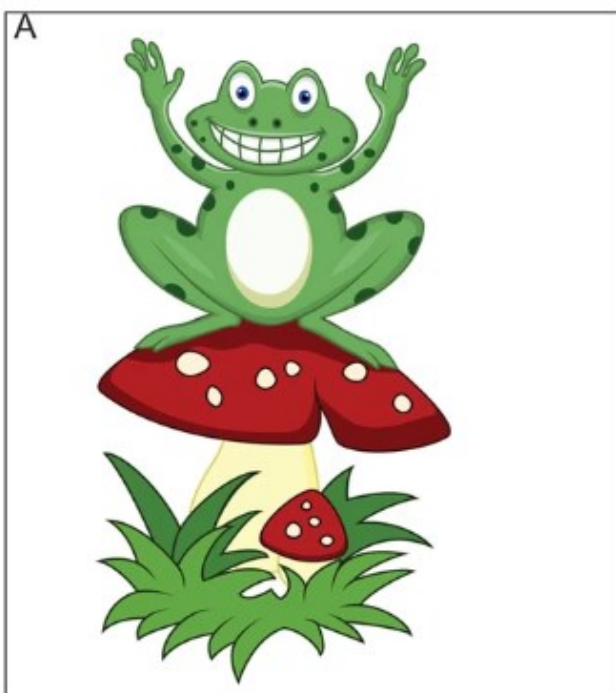
# Just For Fun—EYFS

## Design Your Own Easter Egg



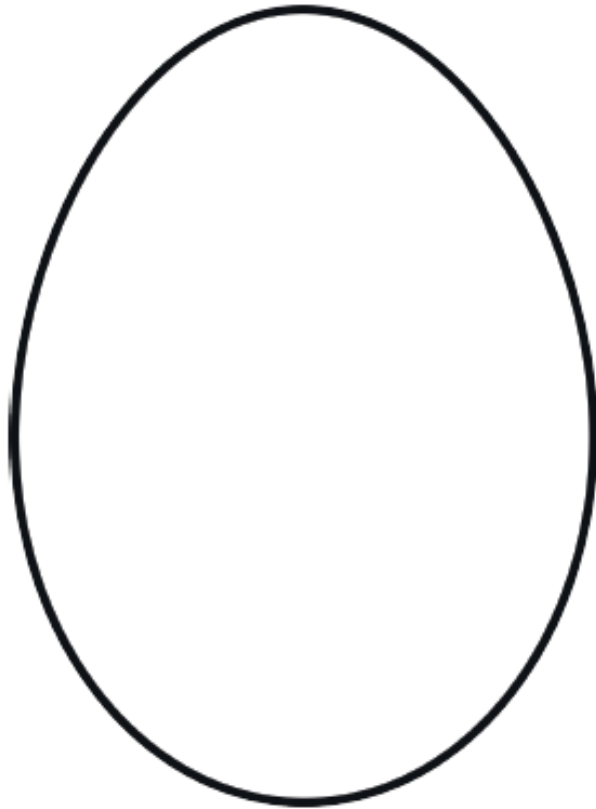
Spot the difference

Look at picture A and try to spot 5 differences in picture B. Put a circle around the bits that have changed.



# Just For Fun—KS1

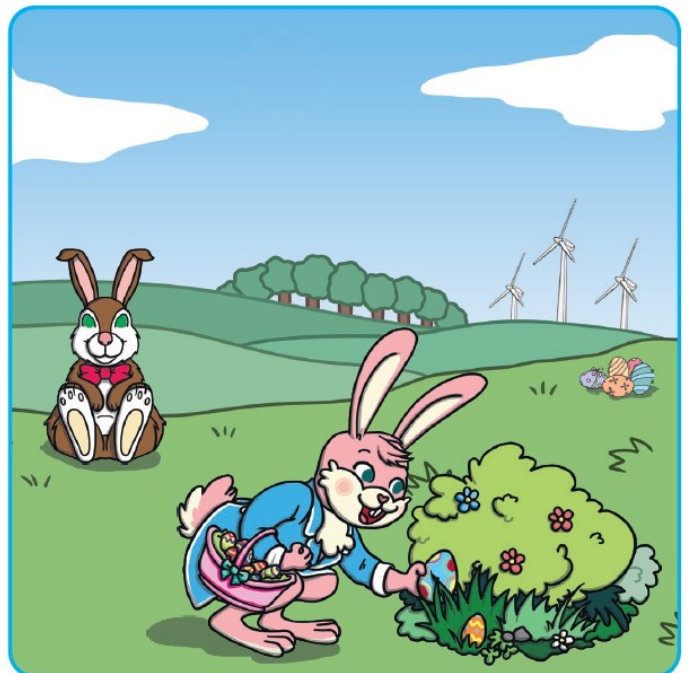
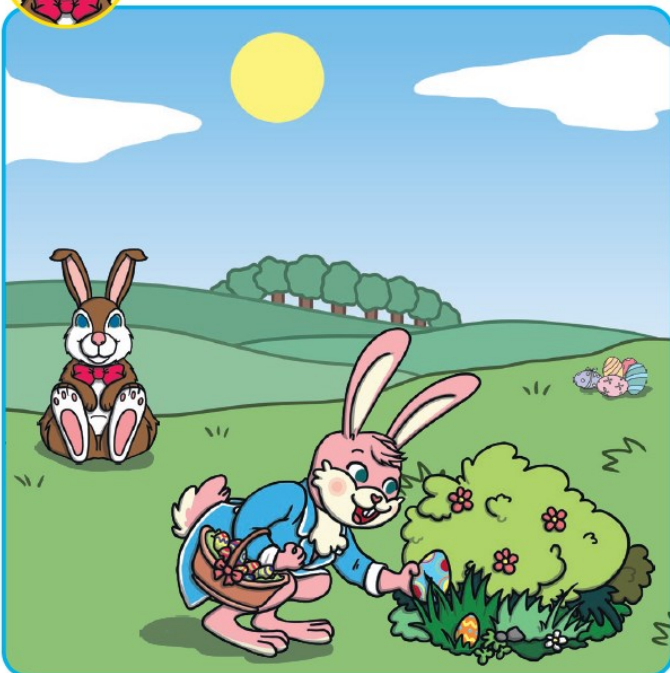
Design Your Own Easter Egg



## Spot the Difference

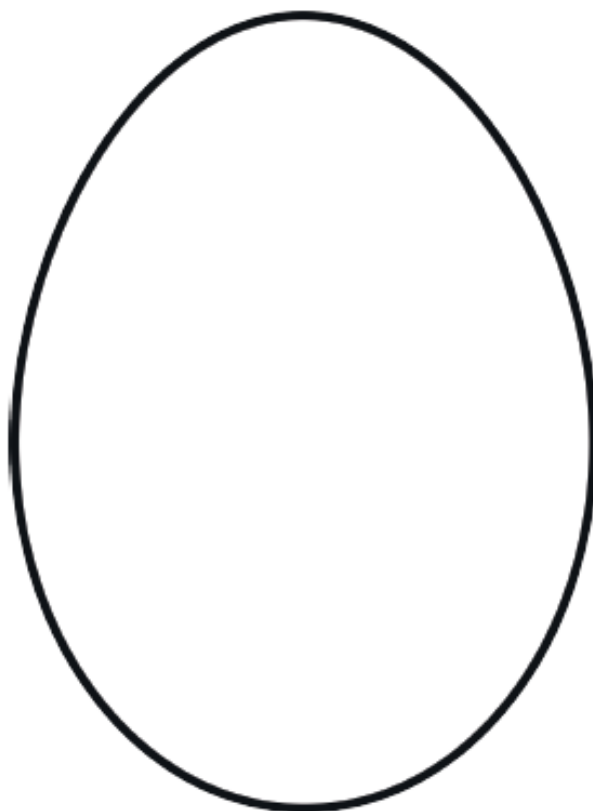


There are 8 differences below, can you find them?



# Just For Fun—LKS2

Design Your Own Easter Egg

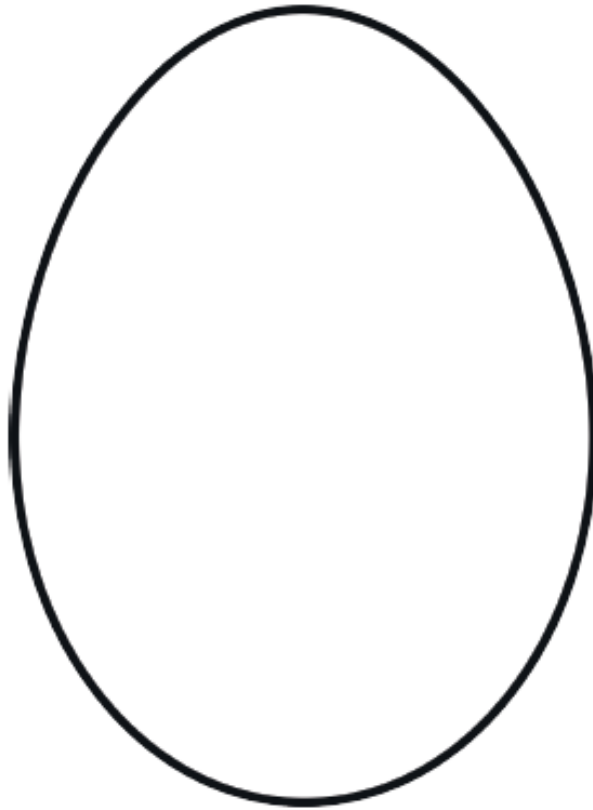


Easter Spot the Difference



# Just For Fun—UKS2

## Design Your Own Easter Egg



### Easter Wordsearch

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

BONNET	RENEWAL
HAT	CAKE
HUNT	SONGBIRDS
CRAFT	CHOCOLATE
BLUEBELLS	BUTTERFLIES
HOLIDAY	EGG
PARADE	SNOWDROP

FLOWERS
GROWTH
HOPE
NATURE
BASKET
SPRING
CHICK