



Shells by Poppy Yr 3



West Blatchinton Primary and Nursery School's outdoor learning and gardening magazine.



BLATCH PATCH  
ISSUE 7  
Maths and nature



Rouza's incredible swirl sketches!

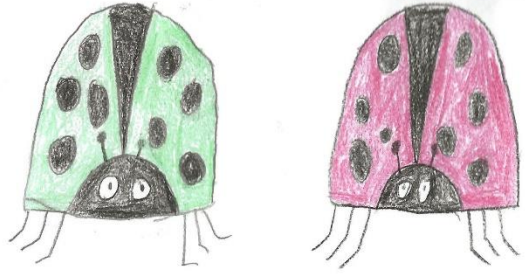


BLATCH  
PATCH

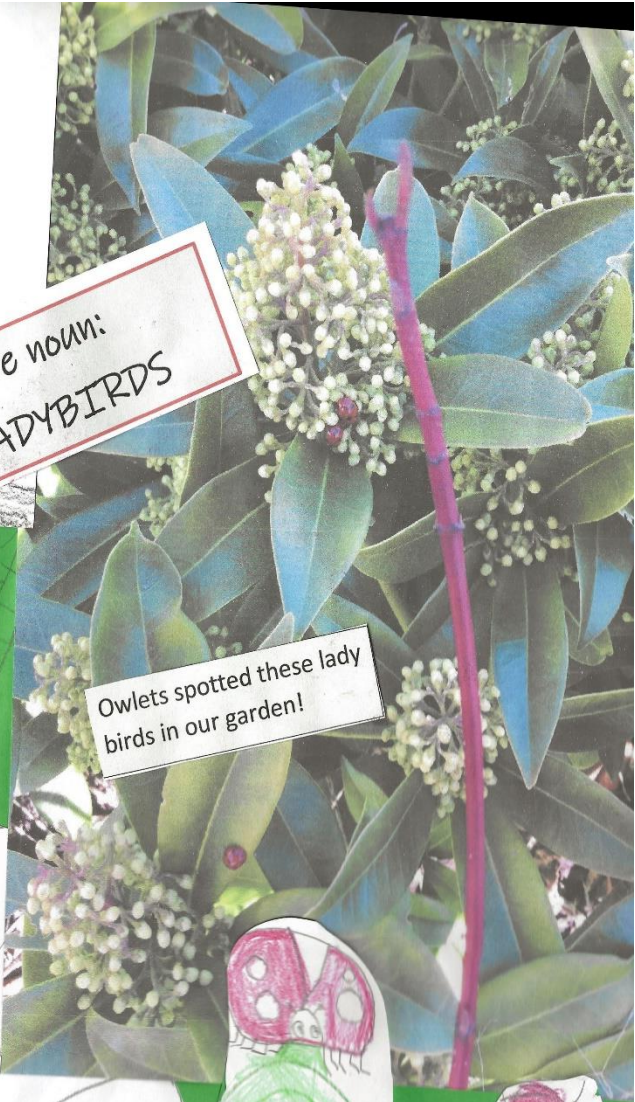
Yr 5

April  
2021



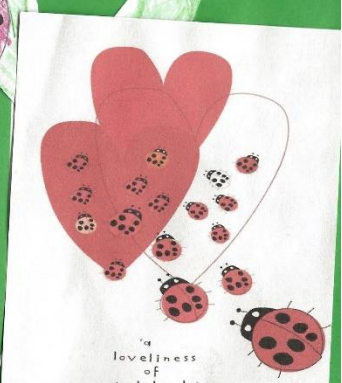


This issue's collective noun:  
A LOVLINESS OF LADYBIRDS



Owlets spotted these lady birds in our garden!

Sam  
Julia



A loveliness of ladybirds



### Quick Ladybird Facts

- **Type:** Invertebrate (Insect)
- **Diet:** Mostly carnivores
- **Life span:** About one year to 3 years
- **Size:** They are small insects, ranging from 1 mm to 10 mm
- **Habitat:** Gardens, grassland, woodland, hedgerows
- **Range:** Worldwide, with over 5,000 species described
- **Scientific name:** Coccinellidae family



Ladybirds are the gardener's friend as they eat lots of pests that destroy plants. They are nature's own 'pest' controllers and are more effective than poisonous chemicals.

The majority are red but some are yellow or orange. They have black spots on their wings.

Ladybirds hibernate in the winter in large adult groups. You start to see them in England from March onwards.



Lily

Puffin's class have been inventing their own bugs!



Skittles

Bug

King Skely Bug



Logan

Shun

Mothra godzilla

Ryan

Oscar

Libby

Harmony

# Before, during and after!

A celebration of the regeneration of West Blatchington's School Garden



Before! The garden has been a focus for many years as an inspirational outdoor classroom full of cross curricular learning experiences.



- We were unable to use our wildlife garden for over a year, while the new school was being built. So, we built a new temporary garden outside the front of the school. We had an amazing harvest that year! Once we had moved into our new school, we were able to get back into the wildlife garden and started producing our outdoor and gardening magazine Blatch Patch. In February 2020 we achieved RHS Level 5 status as a gardening school.

Unfortunately, as the garden was unable to be maintained while the new school was built, along with budget difficulties and the pandemic, the garden had to be closed as it was unsafe.





A lot of TLC was needed to repair our garden so that the children could enjoy it again.



Then... after searching for over a year for people who could help us on our mission to restore the garden, all of these amazing people came to our rescue. Thanks to Marie, a parent and member of FOWB, who put us in touch with the amazing Kyle and all his work crew, on Saturday 13<sup>th</sup> (in sub zero temperatures!) the garden was rebuilt.

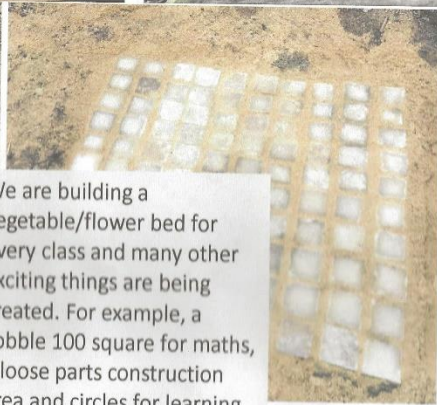


All the rotten decking and fencing was removed. The whole area was membraned and covered in 12 tonnes of shingle, with all the fencing being replaced with new posts and ropes.

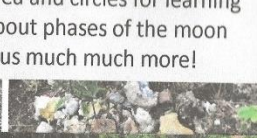
- The pond and bog garden were completely cleared. New steps were built down to a seating area with a safe area for the children to pond dip from.



Thank you so much to Clive Gravett for donating all our soil and compost!



We are building a vegetable/flower bed for every class and many other exciting things are being created. For example, a cobbles 100 square for maths, a loose parts construction area and circles for learning about phases of the moon plus much much more!



But most importantly, we now have a wonderful garden again for our children to explore, investigate, learn and enjoy the peace, calm and awe and wonder of nature.





Making magic potions!



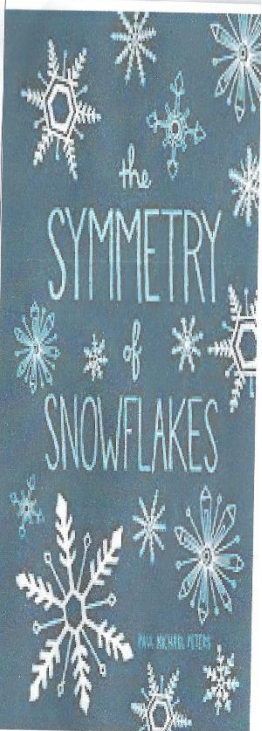


Super Starlings enjoying the new garden.





# FUN IN THE SNOW!

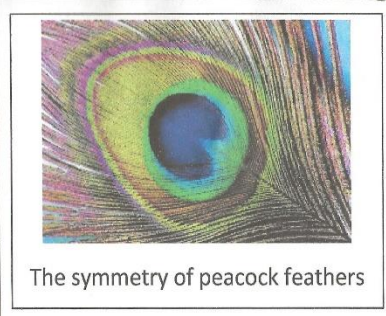




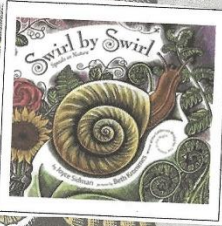
Year 6 balanced peacock feathers on the palms of their hands, the ends of their fingers and even on the end of their noses!

We had a competition to see who could keep their feather upright for the longest. Carlos won with 52 seconds!

Which forces work on the feather to keep it balanced?



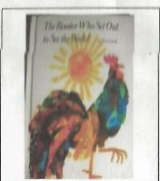
The symmetry of peacock feathers



Slimey trail  
 Hard shell  
 Sensitive skin  
 Placed on wildlife  
 90% water  
 Many deaths to salt  
 Survives tomadoes  
 And the hottest of heat  
 By Youssef - Swallows



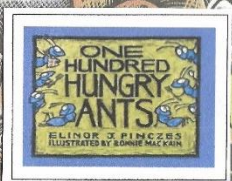
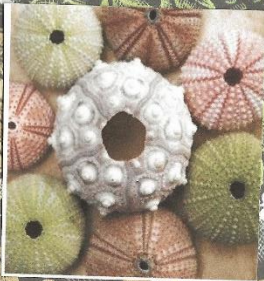
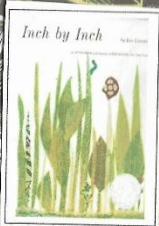
Jackson



Hear all of these maths and nature stories being read aloud by Mrs Heym, at Whole school West Blatchington, on google classroom.

Swirls start small and get bigger and bigger. Swirls are strong and protect things.

Elise



fin



I would rate this book 8 out of 10. What I really liked about it was educational and learn about her families interests and every one is different.

Susie-mai



Math is all around us.  
It's often hidden,  
and I love finding it.

A story about maths and nature. What maths can you see in this picture?



The proud digger!



Outdoor abacus

A massive thank you to Belle's mum for all the seeds and plants!



Planting herbs in the rockery. Year 6 and Falcons planted mint, oregano and rosemary.



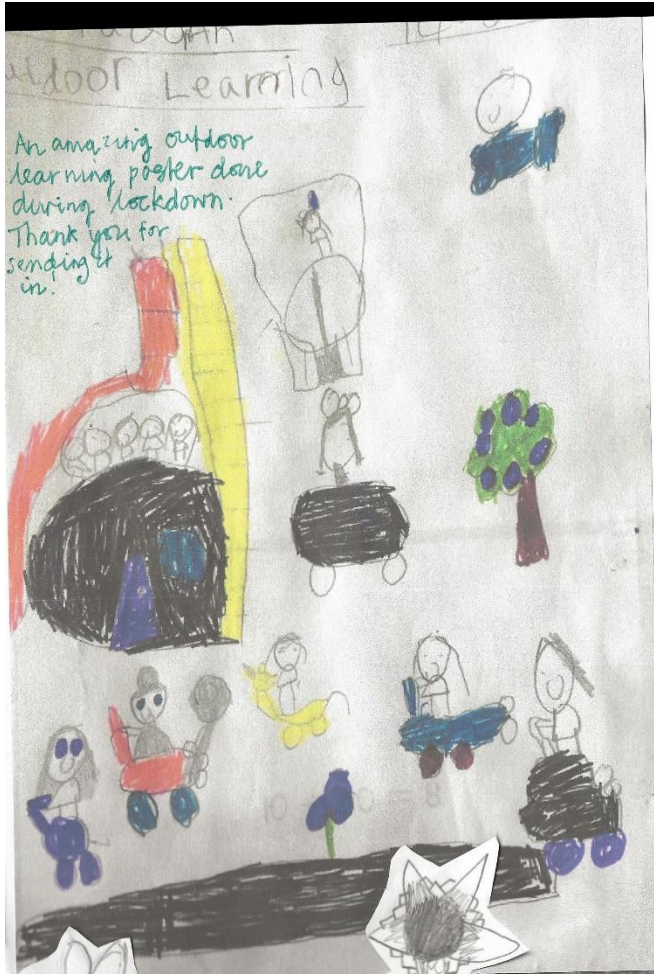
The determined diggers!



What's growing in the garden now?  
See if you can name the plants from  
1-7. (Answers on the back page.)



Answers on back page!



Swallows practising their sketching in the garden. They had a peaceful time sketching all the lovely spring flowers. Some of the children also planted some spring bulbs for everyone to enjoy in the summer.





Mariem

Sheep's large, rectangular pupils allow them to see almost 360 degrees. In fact, they can see behind themselves without turning their heads.



treetop displays

There are over 2000 species of spiders found in Australia



Did you know that owls are nocturnal. And they can rotate their neck to 270 Degrees. A group of owls is called a parliament.



### Butterflies

- Butterflies can't fly if they're cold.
- Butterflies taste with their feet.
- Butterflies don't actually eat anything.
- It's really easy to attract butterflies to your garden.
- Butterflies can see many different things in many directions all at the same time.



Taym

A snail can sleep for three years.



©DidYouKnow.com



Crab spiders change colour to blend in with their surroundings

A spider eats 2000 bugs every day

Puffins are fast flyers flapping their wings 400 times a minute wow

Puffins are carnivores and live of small fish and eels

### Animal Facts



A male lions roar can be heard from 8kg away

The name of a lion baby is a cub whelp or lione

A female lion needs 5kg of meat a day and a male needs 7kg or more a day

An adult lion's roar can be heard up to 5 miles (about 8 kilometers) away.



Harrison

Year 4

### ANIMAL FACTS

PENGUINS ARE FLIGHTLESS BIRDS. MOST PENGUINS LIVE IN THE SOUTHERN HEMISPHERE. A GROUP OF PENGUINS IN WATER IS CALLED A RAFT BUT A GROUP ON LAND IS CALLED A WADDLE.

A GROUP OF FOXES IS CALLED SKULK. A MALE IS CALLED A DOG FOX, AS A FEMALE VIXEN. FOXES ARE A MEMBER OF THE DOG FAMILY.

### Scallops have up to 200 eyes.

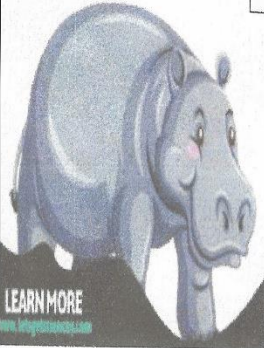
LEARN MORE

Find the answers to these questions on these animal fact pages.

1. How many species of spider are there in Australia?
2. How thick can a hippo's skin grow? What's the answer in mm?
3. How many degrees can an owl rotate it's head?
4. What year did a fly first arrive in space? How many years ago is this?
5. If 3 scallops sat together, how many eyes would they have between them? How many eyes if there were 30 scallops?
6. How long can a crocodile survive without food?
7. What's the sleepest animal on these fact pages?
8. From how many miles away can an elephant smell water? What's this in km?

Answers on the last page!

Hippo's skin can grow to 6cm thick.



LEARN MORE  
www.tropicskip.com

Thank you Kaci, for this amazing animal facts page!

Wombat poop is cube shaped!



This helps it mark its territory.



Kaci

Gorillas

Their super-strong arms, legs and chest enabling them to lift up to 10 times their body weight.

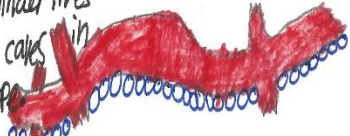


Crocodiles

Like snakes and many other cold-blooded creatures, crocodiles can slow their body's down to survive many months without food. Individual crocodiles have been observed going an incredible 2 years without a meal.

This strange of salamander lives in dark caves in estuary water.

It typically grows as long as a ruler (30cm) and can survive without food for 10 YEARS.



The 1st animals in space were...



Fruit Flies in 1947

Hummingbird



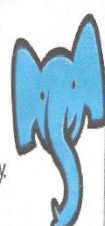
Hummingbirds can eat up to 10% of insects and nectar every day that's twice their body weight. Is a 10 year old child ate twice their body weight daily, that would be around 2,000 sausages everyday.

Elephants are pretty big too. The largest can come over 6 tonnes. A trunk can weigh 180kg. But it's so dexterous, it can pick up a grain of rice.

Elephant



An elephant can smell water from 12 miles away.



A single bolt of lightning is around 5 times hotter than the surface of the sun, and the energy contained from a single lightning strike can power a 100 watt light bulb for 90 days.





Yr 6 painting stones for the garden.



After School club.

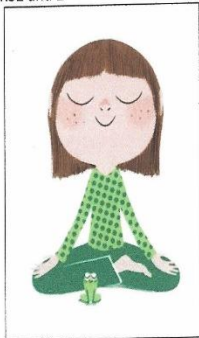


A huge thank you to Jessie Lynch for the amazing story, letter and number stones!

Story stones- what amazing stories can you invent using these stones and the garden to inspire your ideas?  
Send in your stories for the next Blatch Patch!



KS1 and 2



Every time you go in the garden, find a space to sit peacefully. Shut your eyes and breathe deeply, slowly, and calmly. Breathing in through your nose for 4 counts and out through your mouth for 6 and putting your hand on your tummy can help you focus on your breath. What do you feel, smell, and hear? How do you feel when you open your eyes again? Repeat the activity before you return to the classroom.



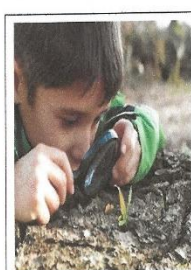
**LOOK UP!**

What can you see in the sky and trees? Can you see any patterns or pictures in the clouds? Can you see birds or insects flying?



**LOOK UNDER OR BELOW!**

Look under rocks or sticks, through blades of grass or on flower heads and petals. What can you find? This might be a creature, or it might be a pattern or an interesting stone. Dig into the soil. What can you find beneath the soil's surface?



**LOOK FOR SMALL DETAILS.**

You could ask your teacher to take magnifying glasses or viewfinders outside. What details do you notice? Are the veins on a leaf a miniature map? What patterns and colours can you see on the bark of a tree? Who or what might live in the cracks of the rocks? Maybe it's a portal to another world?

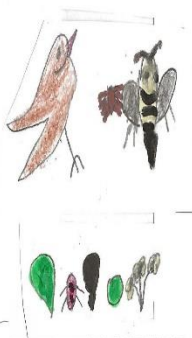
For next Blatch Patch: please give/ email to Mrs Heym.

1. Design a poster persuading people to go outside. *Why is it good for you to be outside?*
2. Draw anything in nature that makes you feel happy, calm or amazed.
3. Collect tiny objects you find (as long as they're not alive!) like a tiny pebble or beautiful leaf. Take a photograph or draw them.
4. Listen to the stories on West Blatchington Whole School- google classroom. Use the artwork in the stories to inspire you to create your own pictures. Write a book review. Would you recommend it? Why/ why not?
5. Make a miniature world using natural objects and whatever you can find.
6. Next issue's collective noun is A Whisper of Moths. People often think moths are far less beautiful than butterflies...research them: they're incredible!

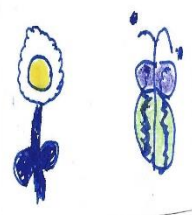
Leaf

KS2

Tiny things



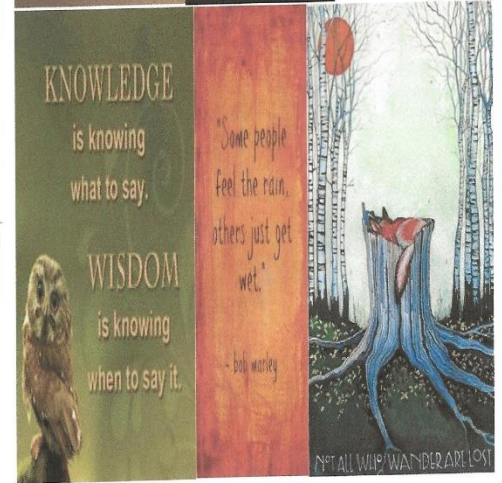
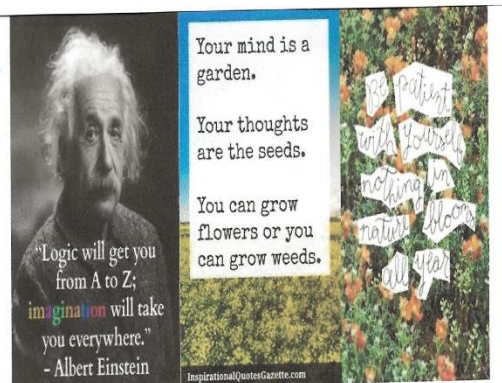
Lots of stories on this theme being read aloud, now available on West Blatchington whole school classroom on google classroom.



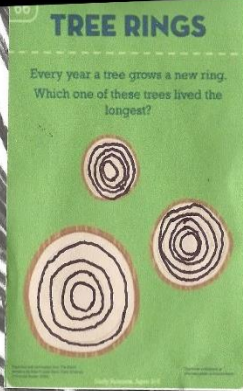
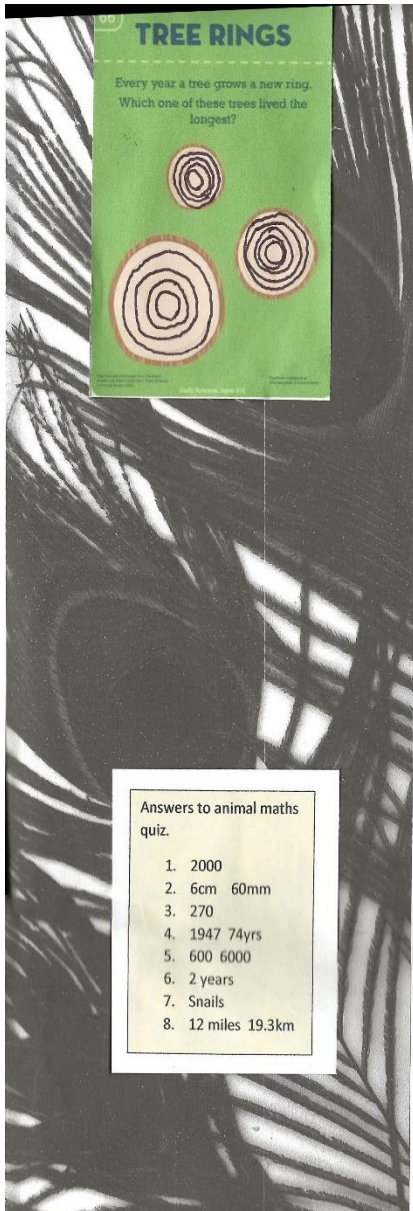
THE NEXT ISSUE:

**LOOK UP, LOOK DOWN, LOOK (CLOSELY) ALL AROUND!**

Issue 8 will focus on the mental health benefits that nature can give us from helping us to feel calmer to the amazement and joy that it can bring.



This term we are focussing on being reflective heroes. Discuss these quotes. What do you think they might mean? How might quotes like these help us to reflect and reset? Why do you think so many inspirational quotes are related to nature? Why do you think being outdoors helps us to feel calmer and happier? Use one of these quotes to design your own inspirational poster.



- Answers to animal maths quiz.
1. 2000
  2. 6cm 60mm
  3. 270
  4. 1947 74yrs
  5. 600 6000
  6. 2 years
  7. Snails
  8. 12 miles 19.3km

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

sphere



swirl



spiral

symmetry

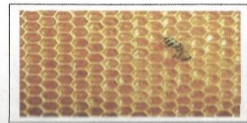


circumference

circle



pattern



hexagon

Challenge word- Fibonacci- what is the Fibonacci sequence and how does it relate to nature?

Go out into the garden: what examples can you find? For example, how many examples of symmetry or swirls?



**BEFORE LEAVING THE GARDEN, PLEASE...**

1. Collect all the coloured plastic balls and put them in a container.



2. Make sure all the tools are collected up and put together so the next class can easily find them.



Answers to plant quiz:

1. Primroses
2. Violas
3. Mint
4. Crocus
5. Tulip
6. Daffodils
7. Rosemary

3. Collect together the story stones and leave them on the main flower bed edge near the bridge. Put all the number stones together in the maths area.



4. If there is litter in the garden, it'd be great if you could collect it and put it in the playground bin.

THANK YOU!