



Wallington High School *For Girls*

FRIDAY 14TH
MAY 2021

HEIRS OF THE PAST, MAKERS OF THE FUTURE

THE WALLINGTON WEEK

MESSAGE FROM THE HEAD TEACHER

Dear Parents and Carers

Firstly I want to update you as to what is happening with face masks, As you will be aware, England moves into Step 3 of the roadmap on Monday 17th May, and as a result the government have recently amended their guidance on the wearing of masks in schools.

From Monday 17th May, students and staff will no longer be required to wear facemasks in classrooms, although they can continue to do so if they so wish. We are still strongly recommending that face coverings are worn in corridors and communal areas. Please note that all other safety measures and controls, such as ventilating classrooms, regular cleaning of hands, enhanced cleaning around the school, zoning of student bubbles and so on remain in place.

We will also be making some changes to the timing of the day for Year 10. From Monday 7th June onwards, now that Year 11 and 13 are no longer in school, Year 10 will now have registration and form period at the beginning of the day, at 8.25am and will finish school at the end of period 5 at 2.45pm.

I am very pleased to be able to tell you that following all of the fund raising activities over the last few weeks, the school has raised over £2600 for ActionAid to support the current crisis in India. This money is being matched by the government so a huge thank you to everyone who has contributed and thank you to our senior prefects for organising.

Finally, it is important that we ensure that every member of our school community feels a sense of belonging regardless of their ethnicity, sexuality, religion and so on. So as part of our work to further promote and improve equality, diversity and inclusivity (EDI) across the school, our EDI Senior prefects will be talking to students next week about joining our EDI Junior Prefect team. This group will play an important role in helping to drive inclusivity and how we can better celebrate our differences as we move forward. I look forward to introducing them in the near future.

Have a great weekend.

Mr R. V. Booth



Key Dates

Y12 Personal Statement Day	17 th May
Bronze Duke of Edinburgh	17 th May
Training Session (In School)	
Half-term	31 st May – 4 th June
INSET Day	7 th June
Return to school	8 th June
INSET Day	14 th June

Important Message from Reception

Due to the current climate reception is unable to accept items brought in for students by Parents/ Carers unless they are essential items such as medication or a packed lunch. Reception are experiencing such high volumes of items being dropped off that it isn't manageable. Please remind students to bring in all the equipment that they will need for the day.



THE WALLINGTON WEEK

Change lives. **For good.**

act:onaid

Last week you all contributed to a fantastic week of fundraising, a special thanks goes to Fatima and Sophia our Charity Prefects for organising everything!

You took part in bake sales, fun runs and finally a wear it red own clothes day!

Together, we raised over

£2,600!!



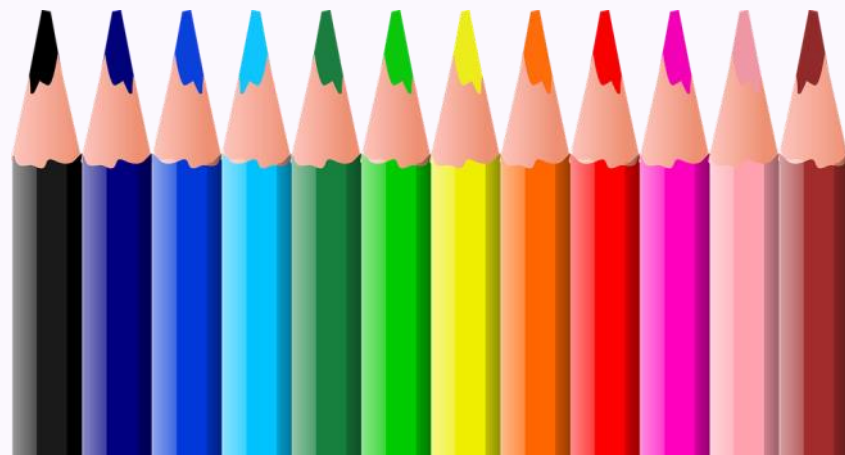
HEROES
STAMP DESIGN
COMPETITION

Enter the Heroes Stamp Design Competition

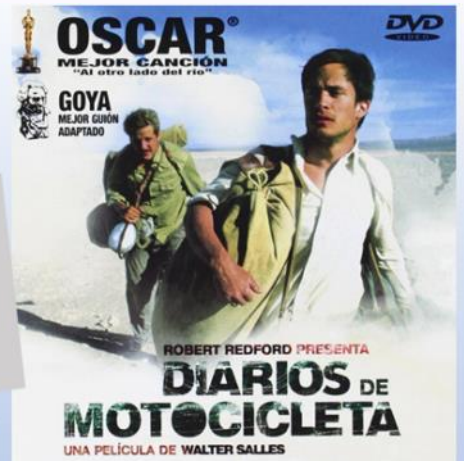
Honouring the heroes of the coronavirus pandemic... on stamps



- Millions of key workers have kept the country going when most of us were told to stay home for our own safety. And there have been many people who volunteered to help people in their communities who needed help or support. We think that what these people have done makes them heroes, so Royal Mail wants to honour them by producing a set of eight stamps.
- The stamps will feature designs created by eight school-aged children. We are asking our young designers to think about who their hero or heroes are, and to then design a stamp in their honour. A special panel of judges will pick the winning designs. The final eight stamps will be sent to Her Majesty The Queen before they can be printed and issued.
- All children aged 4-14 from across the UK (except residents of the Isle of Man and Channel Islands) can enter the competition through their school, or independently from a school with permission from an adult.
- If you wish to have a go at designing a stamp honouring the heroes of the pandemic please collect a sheet that will be attached to the Art Office door G30. Read the instructions on the right-hand side of the sheet and then get designing! Make sure you photograph your design as they will not return any entries.
- To enter simply hand your completed design back into the Art office G30 on Monday 24th May with your name and the heroes that you are featuring on your stamp. And we will send them in for you.
- **Great prizes to be won**
- For full details visit the royal mail website:
- <https://www.stampcompetition.ichild.co.uk/>



THE WALLINGTON WEEK



SPANISH AND LATIN AMERICAN FILM CLUB

(you don't need to do Spanish to attend, just need to be in Year 12)

When: Fridays
Where: F12
Year group: 12
Time: 14.50



Astronomy Club!

Calling all year 10s !

Are you truly intrigued by the vastness of our universe?
Would you like to find out more about it?
Well we have a solution for you! Attend our new lunchtime astronomy club. We will look at everything from galaxies to aliens!!!
Come and join us as we explore the beauty of the universe!

If you have any questions please email -
Maahi(10Ath) - mgandhi17@wallingtongirls.org.uk
Sophie(10Cur) - sdowse17@wallingtongirls.org.uk
Piya(10Cur) - prajan17@wallingtongirls.org.uk

On Monday lunchtimes on a week B and
Tuesday lunchtimes on a week A!
Both in the DT block !!



THE WALLINGTON WEEK

Enrichment update

The Enrichment team has had a very exciting time recently; not only have we managed to get the Summer Enrichment week set up and confirmed but we managed to have our first school trip offsite since March 2020!

Our lucky GCSE Geographers spent a day out in Kent last week studying the local Darent River. The trip was planned not only to meet the GCSE practical requirements but to allow students to develop their understanding of the rivers topic by physically seeing the changes in the course of a river from source to mouth. The trip was a great success!



Some of our students also submitted some lovely write ups on the day.

On Wednesday, Geography GCSE students took a trip to the River Darent in Kent and I would say that it was amazing (as

far as a school trip to a river could be)! Lucky for us, despite the recent changeable weather, the sun was shining and it was a great day to be outdoors. After a fun coach ride - and a few wrong turns - we finally made it to the first site at the source of the river in Westerham. We all tugged our wellies on and a couple of students (including me!) volunteered to go into the river and take measurements for the rest of the class. We measured the width and depth of the river using a tape measure and metre stick, the velocity using a satsuma, and rock sizes using a calliper. Then we took some photos and whipped out our pencils along with our artistic skills (however poor) to create field sketches of what we could see. After another short coach ride, we arrived at our second site, Eynsford, where the water was much faster and much deeper and this time we all got to go into the river! It was hilarious to see people emptying the water out of their wellies and I was grateful I stayed dry. Then it was lunchtime, where I ate a delicious salmon sandwich straight from the Scottish lochs, and we rode to the third site in Farningham. Unfortunately for the pub-goers next to the river, 15-year-old girls had infiltrated their lunch. They watched as we measured and observed the site, then we walked down the river and took some nice pictures. We returned to school after a final coach ride and discussed flood risks before going home. Overall, it was way more fun than I'd expected it to be!

Aryana, 10 Curie

For my group, our day started with researching secondary data on the flood risk of the River Darent in one of the school computer rooms. Then we climbed aboard the coach to head to the first site, Westerham, near the source of the river. There we drew a field sketch and took several site observations, including pebble size and water clarity and some of us went into the river. At the second site, Eynsford, which was in the middle course of the river, we took similar observations, although the water was a lot deeper here. More of us went in the river and those who didn't have high enough boots got quite wet! After stopping for lunch at Lullingstone, we headed to the final site, Farningham, for more observations and more wading in the river but luckily no-one fell in the water. Despite having to take some covid-19 precautions, it remained a totally fun (sometimes soggy!) trip and I really enjoyed our day.

Katie, 10 Seacole

EID

Following the completion of Ramadan with the Eid Celebrations on the 12th and 13th May, we would love to publish some pictures of your celebrations in our bulletins next week. Send any of your pictures to enrichment@wallingtongirls.org.uk



send us your
pictures!



THE WALLINGTON WEEK

Young Geographer of the Year Competition

- The Royal Geographical Society has announced the theme for its annual Young Geographer of the Year competition.
- The theme is: **Remapping our lives**
- There are separate categories for Yrs7-9, Yrs10-11 and Yrs12-13.
- Details about the competition and how to enter can be found here:
- [Royal Geographical Society - 2021 competition - Young Geographer of the Year \(rgs.org\)](http://www.rgs.org)
- The deadline for receipt of all entries is Thursday 22 July 2021 at 5.00pm
- We know that there are many outstanding geographers in our school across all the different year groups and would encourage as many people to enter as would like to!

If you would like to enter, please do so directly to the RGS and put my email on the form: mdurant@wallingtongirls.org.uk and the school address: Wallington High School for Girls, Woodcote Road, Wallington, Surrey, SM6 0PH

Please also send a copy of your entry to me or your geography teacher – we'd love to see your maps!

Mr Durant and the Geography Department



MAY 17TH

Built between 1631 and 1648 the Taj Mahal is not only one of the world's most famous mausoleums but also one of the grandest symbols of love and devotion.



Situated on the banks of the Yamuna River in the Agra District in Uttar Pradesh, it was ordered by the Mughal Emperor Shah Jahan to commemorate his wife Mumtaz Mahal. Ustad-Ahmad Lahori was appointed the main architect and 20,000 artisans were brought from all across the empire to build it. It was designated a UNESCO World Heritage Site in 1983 and is regarded today as one of the finest achievements of Indo-Islamic architecture.

MAY 19TH

Anne Boleyn was the second wife of Henry VIII, who famously had six in total, and was perhaps the most famous. In 1523 Anne was to marry Henry Percy, the son of the Earl of Northumberland, but this was broken off. She was, at this time, a maid to the court. Henry VIII's wife Catherine of Aragon, and the king began courting her in early 1526.

Henry's interest in his wife's maid of honor was a turning point in English history. When the Catholic Church refused to accept his annulment to Catherine of Aragon, and his marriage to Anne on 25 January 1533, Henry broke off relations with the Pope and established an independent Church of England. The happy marriage was not to last, however. Anne gave birth to a daughter, the future Elizabeth I, and Henry was disappointed when she had three miscarriages and no son. A mere three years later he was courting the love of Jane Seymour.

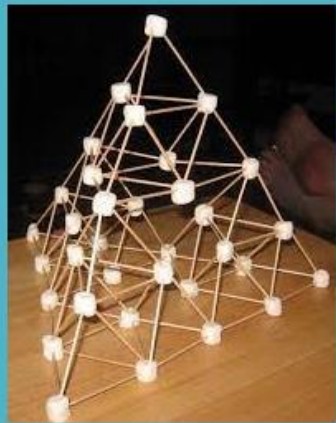
In May 1536 Anne was arrested and imprisoned on charges of high treason, and found guilty in a trial by jury that contained her former fiancé and her own uncle. She was beheaded four days later at the Tower of London, and Henry VIII was betrothed to Jane Seymour one day later.



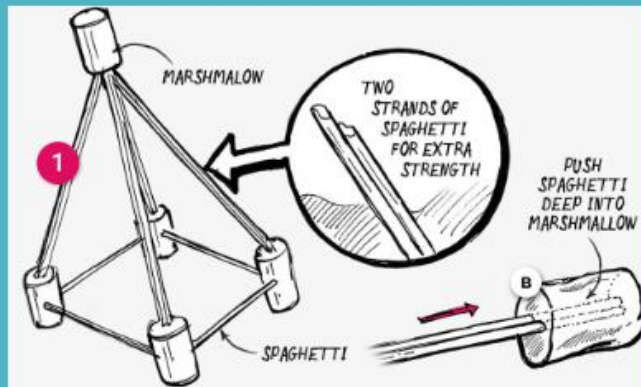
THE WALLINGTON WEEK

EUREKA QUESTION 3

Years 7-9
Issue 3 Week 3: Building Challenge



**Your Challenge: Can you build a stable tower?
Try and build the largest tower you possibly can!**



Will your tower fall if its shaken like in an earthquake?

Can you add an egg on the top to see if your tower can support a weight?

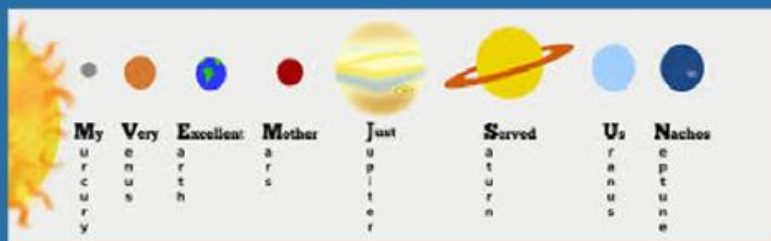
Email your towers to nkanaginal15@wallingtongirls.org.uk and make sure to CC Miss Tucker (stucker@wallongtongirls.org.uk)

EUREKA QUESTION 2

Years 7-9
Issue 3 Week 2: Mnemonics

Can you come up with a new mnemonic to remember the planets in our solar system? You can be as imaginative as you like!

How about for the Group 1 and 2 elements?



Li	Lithium
Na	Sodium
K	Potassium
Rb	Rubidium
Cs	Cesium
Fr	Francium

Be 4	Beryllium
Mg 12	Magnesium
Ca 20	Calcium
Sr 38	Strontium
Ba 56	Barium
Ra 88	Radium

Email your mnemonics to nkanaginal15@wallingtongirls.org.uk and make sure to CC stucker@wallongtongirls.org.uk



<https://twitter.com/GirlsWallington>

THE WALLINGTON WEEK

Medicine and Life
Sciences

Economics and
Business

Mathematics and
Engineering

Computer
Science

**EUREKA
MAGAZINE
NEEDS YOU**



Psychology and
Sociology

Design and
Technology

Are you looking to **improve your personal statement, widen your subject knowledge, or hoping to gain some housepoints**? Then why not write for the third issue of Eureka Magazine! Write an article, opinion piece, book/movie review, or anything else you can think of, on one of the subjects listed above, and save your submission in the Eureka folder on FROG. If you need some inspiration, have a look at Issues 1 and 2 on FROG!

If you have any questions, feel free to email us (Make sure to CC stucker@wallingtongirls.org.uk):

achow15@wallingtongirls.org.uk

tjayashanker15@wallingtongirls.org.uk

ssuri15@wallingtongirls.org.uk

zkhalid15@wallingtongirls.org.uk

nkanaginhal15@wallingtongirls.org.uk

ssivanesavaiah15@wallingtongirls.org.uk

Open to Y7-12, Deadline for this issue: 8th July

Eureka Magazine

A few weeks ago, I sent everyone an email with a link to the impressive Eureka magazine produced by our students and I wanted to take this opportunity to thank all of the students who took the time to contribute and make it so professional and interesting. There is a wonderfully broad range of articles across Mathematics, Engineering, Medicine, Life Sciences, Computer Science, Economics & Business, Design & Technology, Psychology and Sociology. If you haven't managed to read it yet I would strongly encourage you to as it is really excellent, here is a link to the flip-through version....

<https://fliphtml5.com/odvub/jvcj/>

As a small token of appreciation, we have awarded house points to the students who have made this magazine possible...

The Year 12 Editors:

Anna - Maths and Engineering Editor
Siddhi - Medicine and Life Sciences, and Puzzles Editor
Neha - Computer Science and Competition Editor

Thribura - Economics and Business Editor
Zubia - Design and Technology Editor
Shathana - Psychology and Sociology Editor

The authors of the very well-researched and detailed articles:

Ashwika 7 Seacole, Gracie 7 Curie, Nitya 7 Bronte, Thiviya 7 Athena, Nina 8 Athena, Shreya 8 Bronte, Janushya 9 Athena, Mihika 9 Sharman, Pavithra 9 Seacole, Sadhana 9 Seacole, Hareny 11 Sharman, Poppy 11 Pankhurst, Varsha 11 Athena, Aiswarya 12SMC, Alima 12JHY, Anna 12DLE, Helen 12SMC, Lina 12ZKM, Mytheli 12AGE, Neha 12VME, Nidhi 12SMC, Nivethika 12ZKM, Raheal 12SMC, Rosalyn 12RRC, Rosanna 12VME, Shathana 12VWS, Shanin 12RRC, Shreya 12RRC, Shriya 12VME, Siddhi 12SHN, Sophia 12AGE, Thribura 12SMC, Victoria 12VWS, Zubia 12JHY

The following students have been given house points for their Eureka competition entries (with the students

in bold earning an extra point for the high level of detail given in their answers):

7 Athena: Jessica, Lakshmi, Stella, **Thiviya**
7 Bronte: Nitya
7 Curie: **Stella**
7 Pankhurst: Aamtul
7 Seacole: **Ashwika, Megan**
7 Sharman: **Angelina**
8 Bronte: Shreya
8 Curie: Sinyi
8 Johnson: Yamini
8 Sharman: Tharmavi
9 Pankhurst: **Deeptika**
10 Seacole: Amrit

Thank you and congratulations to everyone who has taken part – it is a joy to read your work and we are very proud of you!

Miss Tucker



THE WALLINGTON WEEK

Save energy (and money) at home!

Our planet needs help so by saving energy with minor changes we can all contribute to keep our planet alive!

ONE OF THE BIGGEST CONTRIBUTORS TO ENERGY WASTAGE IS THROUGH LIGHTING. THIS POSTER WILL SHOW YOU HOW WE WASTE ENERGY AND HOW TO HAVE A MORE ENERGY EFFICIENT HOME AS WELL AS SAVE LOTS OF MONEY!

How do we waste energy through lighting?

The most common way we waste energy through lighting is when we leave the lights on. 6.5 million people from the UK (10%) of us do this regularly leave our lights on when leaving a room.

In the UK, per day, we waste £14, 950, 000 of energy due to this. You could save roughly £85 a year in your average household just by remembering to turn the lights off when we leave a room.

How do we be more energy efficient?

We can be more energy efficient in many ways. The easiest and simplest way is to change your lightbulbs to more energy efficient and cost effective. If you leave a light on with an energy efficient bulb, you will save money (but you should try and turn them off)

Below is a comparison of the bulbs and which one we recommend you invest in:

	Energy Efficiency	Colour Temperature	Average Lumens per watt (LPW)	Life Span
LED	Best	Warm to full spectrum (high blue to white colours)	70	20+ years
CFL	Better	Warm to full spectrum (high blue to white colours)	46	4 years
Halogen	Good	Warm	26	1.5 year
Incandescent	Poor	Yellow, warm	13	8 months

Top tips for energy saving!

- ♥ Make use of daylight, keep windows clean and keep furniture away from windows.
- ♥ A room decorated with pale colours needs a lower total lamp wattage to light it than a dark coloured room.
- ♥ Dimming an old-fashioned filament bulb usually saves energy.
- ♥ A fluorescent strip light is cheaper to run than filament bulbs giving the same light
- ♥ Halogen floodlights should only be on for short bursts - if left on all night, they can cost a small fortune in electricity.
- ♥ Fit energy saving bulbs in outside lights that are on all night.



THE WALLINGTON WEEK



Wallington High School For Girls

HEIRS OF THE PAST, MAKERS OF THE FUTURE



We all depend on the survival of bees

Bees and other pollinators, such as butterflies, bats and hummingbirds, are increasingly under threat from human activities.

Pollination is, however, a fundamental process for the survival of our ecosystems. Nearly 90% of the world's wild flowering plant species depend, entirely, or at least in part, on animal pollination, along with more than 75% of the world's food crops and 35% of global agricultural land. Not only do pollinators contribute directly to food security, but they are key to conserving biodiversity.

To raise awareness of the importance of pollinators, the threats they face and their contribution to sustainable development, the UN designated 20 May as World Bee Day.

The goal is to strengthen measures aimed at protecting bees and other pollinators, which would significantly contribute to solving problems related to the global food supply and eliminate hunger in developing countries.

We need to act now

Bees are under threat. Present species extinction rates are 100 to 1,000 times higher than normal due to human impacts. Close to 35 percent of invertebrate pollinators, particularly bees and butterflies, and about 17 percent of vertebrate pollinators, such as bats, face extinction globally.

If this trend continues, nutritious crops, such as fruits, nuts and many vegetable crops will be substituted increasingly by staple crops like rice, corn and potatoes, eventually resulting in an imbalanced diet.



It's a bee thing (or not)



There are **different pollinators species** in the world, such as butterflies, birds and bats!



The most popular ones are **bees**. There are between 25,000 to 30,000 species.



Why should you care about pollinators?



Nearly **90 per cent** of all wild flowering plants depend at least to some extent on animal pollination.



Pollinators **affect 35 percent** of global agricultural land.



Caring for bees and other pollinators is part of the fight **against world hunger**.



Ensuring biodiversity among these species is **crucial to build resilience** in agroecosystems and adapt to climate change.

How can we do more?

Individually by:

- planting a diverse set of native plants, which flower at different times of the year;
 - buying raw honey from local farmers;
 - buying products from sustainable agricultural practices;
 - avoiding pesticides, fungicides or herbicides in our gardens;
 - protecting wild bee colonies when possible;
 - sponsoring a hive;
 - making a bee water fountain by leaving a water bowl outside;
 - helping sustaining forest ecosystems;
 - raising awareness around us by sharing this information within our communities and networks;
- The decline of bees affects us all!



Beehive products

Honey

Honey is the natural sweet substance produced by honey bees using the nectar they collect from flowers.

It is stored by bees as food for the cooler winter period.



Honey contains certain enzymes that act as a catalyst in the digestion process of humans.

- It is used as a dressing for wounds and ulcers to speed up the skin's healing process.



Pollen

Pollen is the protein nourishment of the bees.

It is used specifically to feed the larvae in the brood.



Pollen is a high protein substance with antioxidant and immune-regulation properties.

- It is used by athletes as a food supplement to improve sports performance.



Royal Jelly

Royal Jelly is used to feed all bee larvae, as well as adult queen bees.

It has a high nutrient content.



Royal Jelly is used as a general health tonic, to fight the effects of aging, and to boost the immune system.



Propolis

Propolis is made by bees from tree resin and mixed with wax, honey and enzymes.

It is used to contain potential pathogens and seal out large hive intruders.

It is used by bees to seal crevices/ small openings in the nest.



Propolis is a complex resinous substance, with antimicrobial and antiseptic properties.

- It is used as a mouthwash.
- It is used to seal open cuts in plants after pruning.



Venom

Venom is used by worker bees to defend themselves and the hive against predators.

The act of stinging causes bee's death.



Venom is used in apitherapy for its antiarthritic and antihistaminic properties.

- It is used to formulate vaccines against allergies from *Hymenoptera* venom.



Wax

Wax is a fatty substance secreted by bees used to build the honeycomb and seal the cells.



Wax is waterproof and is used in cosmetics skin care products.

- It is used as a protective coating in carpentry and to make candles.

Queen bees and swarms

- are bred and selected for genetic improvement;
- increase pollination services; and
- can be an additional source of income.



1 Bees have 5 eyes and 6 legs.

2 Honey bees live in hives (or colonies). The members of the hive are divided into three types: Queen, Workers, and Drones

3 There are more than 20,000 species of bees!

4 Bees see all colors except the color red. That and their sense of smell help them find the flowers they need to collect pollen.

5 An average beehive can hold around 50,000 bees.

6 Each bee has 170 odorant receptors, which means they have one serious sense of smell!

7 Worker bees go from one flower to another, collecting nectar. In one collection trip, a bee visits 50 to 100 flowers!

8 Carpenter bees create tunnels that usually look about one or two inches deep, but they can be up to 10 feet long!

9 The queen bee lays all of the eggs in a colony. At the height of the season, she may lay over 2,500 eggs per day!

10 Honey bees are great flyers. They fly at a speed of around 25km per hour and beat their wings 200 times per second!

11 It takes 21 days for an egg to develop into an adult bee.

12 Honeybees pollinate more than 100 crops in the U.S.

13 Over the past 15 years, colonies of bees have been disappearing, and the reason remains unknown. In some regions, up to 90% of bees have disappeared!