

Wallington High School For Girls

HEIRS OF THE PAST, MAKERS OF THE FUTURE

THE WALLINGTON WEEK

Message from the Head Teacher

Dear Parents and Carers,

So we have reached the end of the first week of the return to school, with all year groups now back in school for face to face teaching. It has been great to have the students back with us once again and everyone has quickly settled back into school life and routines. Fingers crossed that infection rates continue to fall and that we can begin to return to some sense of normality over the coming months. That said, we still remain in a pandemic situation and it is important that we all continue to follow all the measures in place to ensure a safe return.

My focus for this week's message is one of immense gratitude.

One of things that schools have been required to do as part of this phased return has been to roll out a programme of mass testing. This has gone extremely smoothly with year groups now having their second test whilst in school. This has been down to the amazing group of volunteers who have been helping to run our testing programme, many of whom are parents/carers or former students. They have been absolutely brilliant — calm, helpful, reassuring and incredibly efficient. So I would like to take this opportunity to thank everyone involved for giving up their time to help and for doing such a wonderful job.



The students have also played their part in this as well. They too have been patient, calm and have followed all instructions to enable everything to work efficiently and smoothly. So thank you to them as well. And of course thank you to parents/carers for ensuring everyone arrived on time for testing as well as for your continued support as we navigate the various challenges ahead at the moment. It is very much appreciated.

Please note that we will be issuing home test kits for students from next week - a letter will go out with further details about this as well as how parents/carers need to report the results.

My final thank you marks the end of an era. As you will know, The Parents and Friends Association (PFA) plays a crucial role in supporting the school, both in terms of fundraising and helping with school events. Sadly, a number of long standing members are now stepping down as their daughters in Year 13 approach the end of their school careers. Included in this is Nadia, who has been the Chair of the PFA for nearly seven years. During that time Nadia and her team have done a huge amount to raise the PFA's profile and membership as well as organise a wide range of fund raising events that has generated much needed funds for school to go towards the new Library, new Science labs and our new Quad Canopy to name but a few. So a huge, heartfelt thank you to Nadia and to all the other members of the PFA team that are stepping down. We wish them all the very best. We do have a new team that are stepping up to take on these roles and I will introduce them in a future edition of the Wally Week.

Mr R. V. Booth





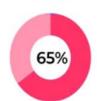


Staying Safe Online

Parents and Carers may find the link below useful as these step by step guides will help you to set up the right controls and privacy settings on the networks, gadgets, apps, and sites our children use to give them a safer online experience.

9/10

More than nine in ten parents of 5-15s who use parental control software consider it useful ¹ 7



65% of young people aged 11-16 are in favour of the controls ² Z⁴



15% of Teens say parental controls and restrictions should only be taken away once they're over 18 years of age ³ [2]

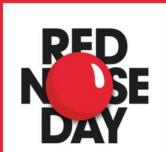


The school will shortly be sending out an invitation to parents and carers for an Online Safety webinar which will take place on the evening of Tuesday 22nd April. The webinar will address online safety with regards to:

- what social media sites do with our personal information
- personal reputation (what you put on social media now can affect you in the future)
- sexual exploitation/grooming via social media platforms
- online gaming
- useful websites and apps that parents can access to help them keep their children safer when using online platforms

As we know, our children have spent increasing amounts of time on their devices during lockdown and this webinar will be a good opportunity for parents and carers to learn more about the world online.





FRIDAY 19TH MARCH 2021 MUFTI DAY LETS UNLEASH THE POWER (SAFETY)

THE POWER OF LAGENTER

Wear something red!

If you would like to take part, please bring a £1 donation. This will need to be put into the collection buckets at the entrance gates.

COMIC RELIEF

Red Nose Day is back on Friday 19th March and this year it has never felt more important to have some fun and raise money to support people living incredibly tough lives. We need the power of funny to turn laughs into lasting change. So whatever you can do, please join us.

SHAKESPEARE

Join the national celebration

Click the link below to find lots of free Shakespeare themed free resources we have put together on our website for our students:

https://www.wallingtongirls.sutton.sch.uk/page/? title=Student+Resources&pid=44

It is not in the stars to hold our destiny but in ourselves.

William Shakespeare

THINGS WE SAY TODAY WHICH WE OWE TO Shakespeare:

"KNOCK, KNOCK! WHO'S THERE?" "IN A PICKLE" "SET YOUR TEETH ON EDGE" "GOOD RIDDANCE" "FAINT HEARTED" "SO-SO" "SEND HIM PACKING" "LIE "FIGHT FIRE "BAITED "COME WHAT MAY" LOW" WITH FIRE" BREATH" "THE GAME IS UP"

"WEAR YOUR HEART ON YOUR SLEEVE"

"NOT SLEPT "FULL CIRCLE" "OUT OF THE JAWS OF DEATH"
"TOO MUCH OF A GOOD THING" "NAKED "WHAT'S DONE IS DONE" "BREAK THE ICE" "WILD "LAUGHING STOCK" "BREATHED HIS LAST" "HEART OF HEARTS" "VANISH INTO THIN AIR" GOOSE "MAKES YOUR HAIR STAND ON END" CHASE" "SEEN BETTER DAYS"

"FOR GOODNESS" SAKE" "LOVE IS "DEAD AS A BLIND DOORNAIL" "FAIR / FOUL "GREEN EYED MONSTER" PLAY PLAY" HIS HEAD"

MY OYSTER" "BE ALL / END ALL" "A SORRY SIGHT" "THE WORLD IS

Watch a free animated adaptation of The Tempest - Link



Watch a free animated adaptation of A Midsummer Night's Dream



Unscramble some Shakespeare word iumbles



Which Shakespeare Character are you? -Ouiz



<u>How to rap Shakespeare - Link</u>



<u>Download some Shakespeare-themed</u> colouring-in



<u> Shakespeare Retold - 10 of Shake-</u> speare's most famous plays are the inspiration for new stories; listen to them online



A collection of games & activities about William Shakespeare



Shakespeare or Fakespeare? - Quiz



Totally Shakespeare with CBBC - Link





EUREKA QUESTION 2 Years 7-9 Issue 2 Week 2: Science Week

To celebrate British Science Week (Fri 5th - Sun 14th), each of our editors have selected a short video on an interesting topic in their field. Watch the video and fill in the gaps in the following sentences (you can select as many videos as you like, but will get more points the more you watch!). Send your solutions to nkanaginhal15@wallingtongirls.org.uk and cc stucker@wallingtongirls.org.uk.

Maths and Engineering: Hazel Hill (Secret weapon behind the Spitfire)	Design and Ted
https://www.youtube.com/watch?v=IRpWMIZ6s3M	https://youtu.be/

- Captain Fred Hill, along with his daughter Hazel Hill, found that _ guns, as opposed to four was crucial for success.
- The spitfires would need to fire one _____ rounds a
- According to the Spitfire they designed, the Nazis would only have ___ seconds to get away.

chnology: Oki Sato on his playful approach to design

- Oki Sato beloved that designs should be ______ but fun He believes an object has to be _____ and tell an
- interesting story
- He believes the most important thing about a design is the ____

Computer Science: Artificial intelligence

- 1) All can be defined as the 'science of making machines smart, using ______ to allow computers to solve problems which used to only be solved by humans'. All works by analysing huge amounts of ____, a technique called machine
- Astronomers can use Al to analyse _ in distant solar systems.
- 3) Bias is one of the problems with the Al systems in use today. Bias, even unintentional, could affect a particular group's job prospects, healthcare treatments and even their treatment from the



EUREKA QUESTION 2 Years 7-9 Issue 2 Week 2: Science Week

Psychology: Carol Dweck (Mindset)

- 1) _____ mindset people believe their intelligence is predetermined and no amount of studying will be able to improve their grades. They believe
- 2) People with a growth mindset believe that intelligence can be achieved through hard _ _ _ and effort.
- 3) In Carol Dweck's growth mindset sessions, the children were taught that the brain is like a _ _ _ _ and it can be exercised and improved with consistency and effort.
- 4) The sample used in the study was _____, they were not aware of _

Medicine: Anatomy and regenerative medicine research at RCSI

- 1) In the professor's research, they mimic the composition of each individual _____ to develop solutions that can be used to repair that specific organ.
 2) Professor Fergal O'Brien said he works with a range of people: clinicians, material scientists, bioengineers, pharmacists and more forming a very ___ ______team bringing together lots of skills.

 3) One of the technologies they have developed, which has been successful with healing small defects e.g. in a knee/ankle, directs the body's own _ ___
- to become tissue-forming and helps them overcome the problem there.
- 4) Professor O'Brien also said he believes engaging with _____ can benefit the translation of science

Economics and Business Studies: Formal and Informal Institutions

https://www.youtube.com/watch?v=7vpG6w5mAOU

- 1) According to North, institutions have ____ rules as well as informal rules
- The formal rules consist of law and _____ whilst informal norms are to do with behaviours.
 An institution has the power to stimulate economic ____ by using the two types of rules.



Open to all year groups!

Eureka Magazine

What could you write?

A narrative describing something you got to see in person

A news article that summarises any recent advancements

Biography of someone who made big contributions to that field

>{UR{KA!

Article explaining a difficult concept or theory

Interview with someone

who works in the field, or

even a student who is

studying a related degree

Recommendation of your favourite book or movie

An opinion piece arguing for/against an idea

...and anything else you can think of! This is your chance to improve your subject knowledge, improve your personal statement and earn some housepoints!

We are looking for submissions

- Mathematics and Engineering
- Medicine and Life Sciences (including Biology and Chemistry) - Computer Science -
- **Economics and Business**
- Design and Technology
- Psychology and Sociology

Deadline for this issue is 29th

Please submit your articles by saving them in correct section folder in the 'Eureka Magazine' Folder in Student Shared, which can be accessed via FROG. For example, if your submission is on maths, please save it in 'Maths and Engineering' in the Eureka Magazine folder on FROG. If you have any questions, please feel free to email any of the editors:

achow15@wallingtongirls.org.uk

ssuri15@wallingtongirls.org.uk

nkanaginhal15@wallingtongirls.org.uk

zkhalid15@wallingtongirls.org.uk

tjayashanker15@wallingtongirls.org.uk ssivanesavajah 15@wallingtongirls.org.uk

EUREKA Pi Day Activity Open to all years

Calling all keen bakers and pi-enthusiasts!

With Pi Day being this Sunday (3/14/20 according to the Month-Day-Year format), Eureka Magazine are looking for pictures of your pies! They could be pi-related or have an interesting geometric design - look below for some inspiration! Pictures of your pie will be displayed in our next issue. Have fun baking and happy Pi Day!

Send in your photos to: nkanaginhal15@wallingtongirls.org.uk, with stucker@wallingtongirls.org.uk cc'ed into the email.









Year 7 Netball Interhouse

Where: Courts

When: Wednesday 24th March 3-4:15

Who: 2 teams of 9



We will be starting promptly at 3

Ensure that you have: Correct games kit Water Hand sanitiser







When: Wednesday 31st March 3-4:15

Who: 2 teams of 9



*We will be starting promptly at 3

Ensure that you have: Correct games kit Water Hand sanitiser

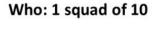


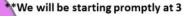


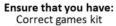
Year 9 Netball Interhouse

Where: Courts

When: Tuesday 30th March 3-4:15







Correct games Kr Water Hand sanitiser





Year 10+11 Netball
Interhouse

Where: Courts

When: Monday 29th March 3-4:15

Who: 1 squad of 10

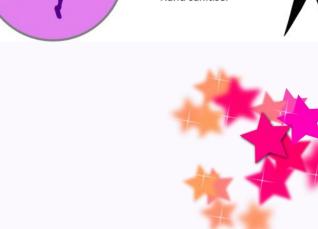


We will be starting promptly at 3

Ensure that you have: Correct games kit Water Hand sanitiser









Opportunities at Virgin Media

Want to hear more about apprenticeships?

Join us for a live interactive webinar by registering for your invite here Online Webinars

Not sure what Apprenticeship might be right for you?

Don't worry, we've got a tool for that! Take our quick Match Me Quiz to help you see which Virgin Media Apprenticeships your strengths and skills are best suited to.

Already know what apprenticeship you're looking for?

Great! You can take a look at our live roles by clicking on this link ... <u>Apprenticeship</u> Schemes

Ready to apply?

Before you apply practice our Situational Judgement Test (SJT). You can do this as many times as you want before you do the real one - SJT Practice Then when you are ready to start your application head over to our application portal

Interested in a scheme not yet live?

If you're interested in any of our other a p p r e n t i c e s h i p s y o u c a n Register Your Interest now and we'll let you know when you can begin your application.

Spotlight Talks: Inspiring careers excellence

Spotlight Talks: Inspiring careers excellence will build on the success of the first event to bring together the UK's leading employers and apprentices to inspire even more young people, from all walks of life, to take up technical career routes and apprenticeships.

Spotlight Talks will take place on **Wednesday 24 and Thursday 25 March 2021**.

https://spotlight.worldskillsuk.org/

brownejacobson...

Virtual Law Work Experience 6th & 7th April 2021

An insight to a top 50 law firm, 5 UK offices, 1,000+ employees, £50m turnover

Interactive workshops with real solicitors working across different areas of law

Breakout rooms and sessions covering off specific areas of law and their different departments (Legal, HR, Tech & more!)

Learn how a law firm operates, what a week in the life of a solicitor looks like, what career paths exist in law firms for those wanting to work in law but not as a solicitor

Open to all 16 - 18-year olds across the UK

Application Link - https://www.research.net/r/Law-WEX



The top ten skills that'll get you a job when you leave school | TARGETcareers

https://targetcareers.co.uk/careers-advice/skills-and-experience/388-work-experience-for-school-students-what-you-need-and-how-to-get-it?

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<u>Volunteer opportunities for teens | TARGETcareers viewer.zmags.com/publication/b57fee6f#/b57fee6f/l</u>

ENRICHMENT

East Asian Studies Creative Writing Competition by Sheffield University

- The School of East Asian Studies is delighted to announce the launch of its first East Asian Studies Essay Prize
- What to write an essay of around 1,000 words in ENGLISH on: How has East Asia influenced life in the UK?

Students are encouraged to consider links between East Asia and their personal lives or local communities with lots of personal reflection.

- Aimed at students in Y10, Y11 and Y12
- By Sunday, April 4th 2021
- Prizes Amazon certificates for :First Prize: £100, Second Prize: £50, Third Prize: £25
- Further details please email Mrs K Hopgood, Director of Languages



Orchestra challenge!

https://youtu.be/ggevi0yKbJk CALLING ORCHESTRAL Wind, Brass, Percussion INSTRUMENTS

We challenge you to submit a video of yourself playing along to Mrs Gunn's home-made video of 'Under the Sea'. Listen to the track (above) on headphones as you learn to play your part, submit a video of yourself playing along (headphones – so we hear only your part, not the backing track). Upload your video to:

https://wallingtongirls-my.sharepoint.com/:f:/g/personal/

kgunn wallingtongirls org uk/

ErRIVKzB9eRGv 0g16PbR5cB96l8GxBIJlvi7LQN3wNFjQ?e=Cjwkyc

Prizes for best tracks, most colourful etc (sensible clothing). We aim to create our own virtual orchestra. Find your instrument's music on Frog – Orchestra and Extracurricular Music and here:

https://wallingtongirls-my.sharepoint.com/:b:/g/personal/

kgunn wallingtongirls org uk/

Eb jmb62O5pChqkmoDLax0YBbwaBxhZH 9WKBnAVIOx67A?e=MgompD

Also, first rehearsal: Microsoft Teams Monday 22nd February 3.15pm – contact Mrs Gunn. Coming very soon: String instruments: Palladio (start practising – your music is in the same place Frog and here

https://wallingtongirls-my.sharepoint.com/:b:/g/personal/

kaunn wallinatonairls ora uk/

EX4kOfMcCVxPkyqrWt37lDgBhX5lSwDdJmT4KNBlWTD8Rg?e=aPXtcg

ENRICHMENT

Some clubs are starting after Easter. See schedule below. Orchestra began on teams, but hopes to go live after Easter tbc. Materials on the bulletin/Wallington Week. We are working out ways to perform in the summer term so will be working towards a <u>recorded concert!</u>

Year 8 and year 9 recitals are soon, so keep practising! Video submissions due in shared music in frog:

Yr 8 March 17th

Yr 9 March 25th

Please remember your headphones and music folders for music lessons!

Music Groups

GROUPS WILL START AFTER EASTER (SUMMER TERM)



MONDAY	2:50-3:45	ORCHESTRA	to be confirmed	KGN	
TUESDAY (SAME GROUP AS BEFORE	MORNING BREAK E CHRISTMAS!)	YR 7 CHOIR (MAX 20)	F2	JYD	
WEDNESDAY	3-3:45	CHAMBER CHOIR YR 10 ONL	<u>Y</u> R7	JYD	
TUESDAY WEEK A	LUNCH-13:20-13:40	GOSPEL CHOIR Year 12 ONLY	<u>r</u> R7	JYD	
TUESDAY WEEK A	LUNCH-13:20-13:40	GOSPEL CHOIR Year 12 ONLY	<u>r</u> R7	JYD	
FRIDAY	MORNING BREAK	YR 8 CHOIR (MAX 20)	F2	JYD	
(There are spaces for more– I will take the FIRST to turn up)					
FRIDAY week A	LUNCH- 13:20-13:40	YR 7 UKELELE CLUB	R1	BP	
FRIDAY week B	LUNCH- 13:20-13:40	YR 8 UKELELE CLUB	R1	BP	





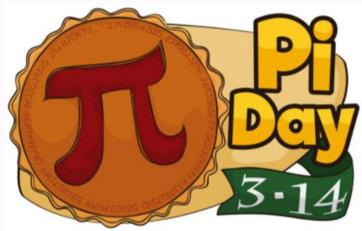


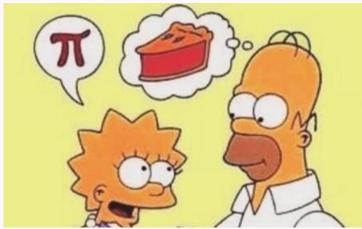












Pi Day is an annual celebration of the mathematical constant π .It is on the 14th of March as in the American date system that would be written as 3/14 – the first three digits of Pi. UNESCO has designated Pi Day to be the International Day of Mathematics.

This year the 14th of March falls on a Sunday – so there is still time to get ready to celebrate at home!

Starting on Monday 8th March, the United Kingdom Mathematics Trust (the organisation that runs the Mathematical Challenges) are running lots of activities in which you can take part.

Below is a message from the UKMT listing some of the activities — of particular interest is an experiment where you can help to estimate the value of π . It is well-explained, with a video to help, and if you complete the task you would be part of a worldwide project!

One of the things we would love you to try is an experiment to calculate the value of pi by dropping cocktail sticks or similar objects on to a grid of parallel lines and recording how many times the sticks land crossing a line (Buffon's Needle Experiment). This activity will be suitable for students from primary age upwards and we would love you to share your results with us via this form by Wednesday 17th March. A

short video, made by one of our volunteers, to explain the experiment, is available here.

We hope students and schools across the whole world will give this a go, as the more experiment results we have the closer we will get to pi!

We will also be sharing new daily problems involving calculation with pi on our social media, as well as historical UKMT questions to try, links to other interesting Pi experiments and resources and a fantastic short video on the History of Pi, made by one of our volunteers. We hope you enjoy them.

Pi is the most studied number in mathematics, and for



Buffon's Needle Experiment - take part and share your results with us!

good reason. The number pi is integral to our understanding of geometry. Pi has uses in physics, astronomy, and mathematics. Pi is also used in architecture and construction and has been a vital part of everything from arches and bridges to the Pyramids of Giza.

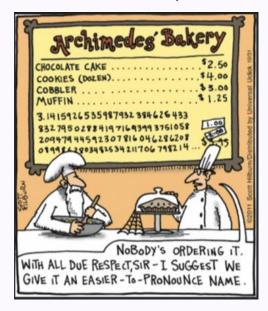
Here are some fascinating facts about pi:

- I. The symbol for Pi _has been in use for over 250 years. The symbol was introduced by William Jones, a Welsh mathematician, in 1706. The symbol was made popular by the mathematician Leonhard Euler.
- **2.** Since the exact value of pi can never be calculated, we can never find the accurate area or circumference of a circle.
- 3. Chinese people were far ahead of the West in finding the digits of pi. Why? Chinese mathematicians were ahead in the pi game because of two reasons: they had decimal notations and they had a symbol for the number zero. It wasn't until the late middle ages that European mathematicians started using the number zero. At that time, European mathematicians partnered with Arab and Indian minds to bring the symbol of zero into their system.

- **4.** The record for reciting the most number of decimal places of Pi was achieved by Rajveer Meena at VIT University, Vellore, India on 21 March 2015. He was able to recite 70,000 decimal places. To maintain the sanctity of the record, Rajveer wore a blindfold throughout the duration of his recall, which took an astonishing 10 hours!
- **5.** Pi is actually a part of Egyptian mythology. People in Egypt believed that the pyramids of Giza were built on the principles of pi. The vertical height of the pyramids have the same relationship with the perimeter of their base as the relationship between a circle's radius and its circumference. The pyramids are phenomenal structures and are one of the seven wonders of the world.
- **6.** Interestingly, some of the most famous scientists in the world have a connection to pi day. Albert Einstein was born on March 14^{th} , 1879.
- 7. There is an entire language made from the number Pi. But how is that possible? Well, some people loved pi enough to invent a dialect based on it. In "Pi-lish" the number of letters in each word match the corresponding digit of pi. This first word has three letters, the second has one letter, the third has four letters, and so on
- **8.** The number pi is not just an important part of conversations among mathematicians or students. In the famous O.J. Simpson trial, the defence attorney and FBI agent's argument revolved around the value of pi. The FBI agent's findings in the case weren't accurate because he used pi inaccurately
- **9.** We will never be able to find all the digits of pi because of its very definition as an irrational number. Babylonian civilization used the fraction 3 ½, the Chinese used the integer 3. By 1665, Isaac Newton calculated pi to 16 decimal places. Computers hadn't been invented yet, so this was a pretty big deal. In the early 1700s Thomas Lagney calculated 127 decimal places of pi, reaching a new record. In the second half of the twentieth century, the number of digits of pi increased from about 2000 to 500,000 on the CDC 6600, one of the first computers ever made. This record was broken again in 2017 when a Swiss scientist computed more than 22 trillion digits of pi. The calculation took over a hundred days.
- 10. The usefulness of pi has been a matter of debate, although it is loved by a lot of math enthusiasts. Some believe that tau (which amounts to 2π) is better suited to circle calculations. For instance, you can

multiply tau with the radius of a to calculate its circumference more intuitively. Tau/4 also represents the angle of a quarter of a circle.

Here is a fun video of two people debating this point Tau vs Pi Smackdown - Numberphile - YouTube



COMPETITION!

In order to celebrate Pi Day / International Day of Mathematics I would like students to produce either

A piece of Art with a mathematical theme or constructed by mathematical principles (eg symmetry, using compasses). This could include fractal art, tessellation art, etc. It might be a two-dimensional poster or a 3-D model – be as creative as you like!

Creative writing – could be a poem, song, joke, story which has a mathematical theme or uses a mathematical principle in construction.

Something edible that relates to Pi or another area of mathematics.

Please send your entries (photo if appropriate) to Miss Tucker stucker@wallingtongirls.org.uk by Tuesday 16th March.



Enrichment Update

We would just like to say a huge thank you to all those students from year 7 -10 that were involved in the virtual Enrichment Day last week. We hope you had a lovely day away from your computers and developing new skills.

The evidence of work you have submitted have made the judging incredibly hard! We are very proud of the work you have submitted and the effort you put into the day. We have published a small amount of the



A lot more work has been published on the dedicated March Enrichment page on our website. Feel free to go and have a look and see if you can find any of your own work!

We think as a school we must have broken a world record for the amount of separate people baking Hot cross buns on one day as over 400 of you selected that as one of your two options!. The two other most popular activities where the Art and photography challenges — proving that you all relished the opportunity to develop a new skill and get away from those computer screens!

We will be announcing the winners and highly commended for year activity per year early next week in a separate email so make sure to keep any eye on your emails!

We hope that you all have a lovely Mother's day weekend and have plans afoot to spoil the special women - Mothers/Grandma's/Aunties and Carers in your lives. Whether remote meetings or special door step drops, ensure to make them feel special this weekend!

History Competition

Following the competition of the History Essay writing competition in February we can announce the following 5 students have been selected as winners and will now be sent on as entries for on behalf of our school towards the national competition:

Grace N 7 Curie Nitya 7 Bronte Emma L 7 Sharman Hindara 8 Pankhurst

And finally, Minali M 10 Bronte whose entry deserves a special mention as it showed incredible effort and insight into a historical event. You can collect your prizes of vouchers from reception next week!

Pi Day

The I4th March, as well as being Mothers Day this year, is national Pi Day. A day of celebration of Maths. Do you know why this particular day has been selected?? Pi (Greek letter "π") is the symbol used in mathematics to represent a constant — the ratio of the circumference of a circle to its diameter — which is approximately 3.14.....Which equates to the I4th March! Clever eh?

In honour of National Pi Day, have a go at the Maths game 24 below.



You have 3 three wheels containing 4 numbers. The rules are that you must use all 4 numbers and you can use + - / x to make those numbers into 24 exactly. The card on the left is the easiest, the right is hardest. Have a go and let us know how you get on!

Check in next weeks bulletin for the answers!

Challenge Number two

Without looking it up, how many digits you can recite Pi to?

Next week also sees us celebrate Shakespeare Week!