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**BRADFORD GIRLS' GRAMMAR SCHOOL**

Co-educational up to 11, Girls only 11-16

### 'Pi skylines'



## BGGS MATHEMATICS NEWSLETTER

### APRIL 2022

Dear Parents and Carers,

We are delighted to be rolling out our Mathematics Newsletter, containing news of what we have been up to, and some essential dates and reminders. We hope you find it informative!

#### March 14<sup>th</sup> (3.14) = 'Pi' Day!

To celebrate 'Pi' day, students were tasked with a variety of challenges and craft activities in their maths lessons, including memorising the highest number of digits in the Pi number, creating a 'pi' bracelet and designing a 'pi' skyline.

Momina in Y7 managed to remember an astounding 62 digits of 'pi'. She is pictured below confidently reciting these to her class!



#### 2nd February – UKMT – UK Maths Challenge



On 2<sup>nd</sup> February a number of our Y9 and Y10 cohort were entered for the UKMT Intermediate Maths Challenge. This involved sitting a test paper with challenging questions bringing together many maths skills. The students had marks deducted for incorrect answers, so 'guessing' was not an option! The papers are marked by maths degree students, and we were very proud that some students achieved 'Bronze' certificates - including Zaynab Naveed (Y9) and Sara Zafar, Sanah Nisa, Laiba-Noor Rafiq, Ammaarah Sharaz and Juwariyah Sajid (all Y10). 'Silver' certificates went to Nusaibah Riaz, Ruqayyah Rashid and Aliya Younas (all Y10). Well done girls!

We are still waiting for some of the results and are confident there will be more positive news to come! All students involved were given a participation certificate, and we look forward to participating again in future years.

## Essential reminders

### • Rewards

We have been waiting for delivery of Mathematics postcards and are delighted that they have arrived at last! Postcards will be issued to students who meet the criteria to recognise their positive attitude and behaviour.

### • Maths Homework

This is set weekly on the website [www.hegartymaths.com](http://www.hegartymaths.com) and your daughter is aware how to access and use this site. Your co-operation in ensuring your daughter completes this weekly homework would further support her progress.

### • Use of Planner

Please could you regularly check your daughter's planner as it is an important communication tool. In Maths, students will note when Maths homework has been set.

### • Maths Scheme of Work

All year groups in our 'through school' use the 'White Rose Maths' programme with its philosophy of 'Everyone Can Do Maths'. The website for White Rose Maths can be found at; <https://whiterosemaths.com/>

Schemes of work for Years 7 to 10 that we follow can all be found here;  
<https://wrm-13b48.kxcdn.com/wp-content/uploads/2021/08/Complete-Secondary-Small-Steps-2021.22.pdf>

### • Maths Website Resources

Useful Maths revision websites, some including videos of how to do a topic, worksheets and answers are;

[www.corbettmaths.com](http://www.corbettmaths.com)  
[www.mathsgenie.co.uk](http://www.mathsgenie.co.uk)  
[www.piximaths.co.uk](http://www.piximaths.co.uk)  
<https://www.bbc.co.uk/bitesize/examspecs/z9p3mnb>

The website home page for the Edexcel exam board used for GCSE Maths is;  
<https://qualifications.pearson.com/en/home.html>

## Everyone can do maths!

Did you know that your experience of maths has an impact on your child's confidence in the subject? Girls, especially, are influenced by their mothers and female relatives. Any negative impressions can be passed down and affect a student's self-belief and success rate.



It can be tricky to be positive, particularly if you have bad memories from school. Be honest but try not to portray any struggle with maths as a fixed part of your identity: it's not.

Don't say: "I'm really bad at maths" or "I could never do maths".

Instead, talk about strategies you use to overcome difficulties. Emphasise the value of having-a-go and explain how much we learn from mistakes.

Do say: "I can see how hard you've worked" and "Let's see what we can learn together".

Demonstrate the maths you do know, such as how to compare prices or for DIY.

At BGGs we firmly believe that everyone can do maths: even parents and carers!

If you've had your confidence knocked and are concerned about how that impacts your daughter, please do talk to us at the next open event or parents' evening.

### The Mathematics Department

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