



WEEKLY NEWSLETTER 02 MARCH 2018

Year 10 Brilliant Club

Following their successful completion of The Brilliant Club Programme and their graduation held at Oxford University, I was delighted to host our Year 10 Brilliant Club graduates for lunch. As well as talking about the programme and how it had pushed them academically, we discussed various aspects of school life and how things could be improved from a student's perspective.

Well done to our Year 10 graduates.

Mrs Christine McLintock

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Important Dates

Week commencing 05 March is Week 2

Tuesday 6 March	Y11 Photoshoot P1-2 (Mr Rodgers) Y11 Beauty Trip P1 & 2 Ms Hall / P3&4 Mini Olympics (Miss Grigg) Head's Open Door 17.00 / Parent Council 18.00
Tuesday 7 March	U13A & U12A Netball (Y7 & 8), Wycombe Abbey School 16.30 (Miss Grigg) SWR World Book Day
Thursday 8 March	Y10 Maths Feast Competition P1-4 Main Hall (Miss Barlow)
Friday 9 March	Science Week begins
Monday 12 March	Maths Week begins

Important Message / Letters home / Reminders

Please can I remind you of the requirement to keep your son/daughter absent from school for 48 hours following any incidents of sickness and/or diarrhoea. Once students have had a full 48 hours symptom free then they may return to school. This policy is in line with Bucks County Council Guidelines.

Many thanks for your support - **Matron**

Reminder for Y9/10 Parents Carers that there is a 'Fire and Ice' trip to Iceland in February 2019 and we still have some places available. [Link to letter here:](#)

Please contact Miss Gurney or Mr Wolfenden if you are interested.

Headteacher: Christine McLintock



Maths News

New Year, New Prime!

Mathematicians are celebrating the New Year with a new discovery – the largest known prime number, known as M77232917!

In case your maths knowledge needs refreshment, a prime number is a whole number only divisible by itself and 1. Extraordinarily, this newly revealed prime has 23,249,425 digits, 910,807 digits more than the previously known largest prime! Just so you can get an image of how long this number really is, have a look at half of the number!



467331833592131099988355855611155212513211028177144957985823385935679234805211772074843110997402088
496213680900380493172483674425135191443652492202867874992249236396303861930595117077052285035601177
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052280861109737306351870421311303930162533627940582518361280555185496789306583866452729351181195205
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Jonathan Pace:

Shocking Mathematicians all around the world, Jonathan Pace, from Georgetown, Tennessee, discovered the number on Boxing Day, 26th December 2017, just in time for the New Year! After six intense days of confirming that his number is in fact a prime, his PC and many others have proven that the number is correct. Pace is now eligible for a \$3000 research discovery award for his contribution to the suspenseful hunt for this magnificent prime.

So what's the point? Mersenne primes are interesting to Pace because of how scarce they are. However, the number is only the 50th known Mersenne. The discovery rate with these strange numbers is less than one per year.



Prime Number Trick

1. Ask your friends to pick any prime number greater than 3.
2. Square it.
3. Add 14.
4. Divide by 12.



- Without knowing which prime number your friends picked, you can still tell them:

There will be a remainder of 3.

Cont'd .

31 is prime
331 is prime
3331 is prime 
33331 is prime
333331 is prime
3333331 is prime
33333331 is prime
But what about **3333333331**

It turns out not to be, because:
 $17 \times 19607843 = 333333331$
 Which just goes to show that you can never trust a pattern just because it *looks like* it might continue. Mathematicians always need **proof**.



When you need a 20-digit prime in a hurry,
 and you need to write it out explicitly,
 shout out:

12345678910987654321

Cute and easy to remember.

BEAUTY THERAPY UPDATE

Yr12 and 13's are completing practical assessments in all treatments now to gain competence for their final exam in June. After –school revision has also started for both groups ready for their exam in April.

Yr11's are preparing a visit into High Wycombe next week to interview salons on their rules and procedures which they will then evaluate for their research project.

Over the coming weeks, Year10's will be researching and making different face masks for their hair and beauty science project, they will write up how effective the mask was and what ingredients they used and why.



Miss Hall, Head of Beauty Therapy

P E News—Trip to Ajax FC, Amsterdam

Over the February half term holiday 49 students visited Ajax FC, Amsterdam, as part of a football development tour. The 5 day trip was based around students training on the state of the art 1st team facilities with sessions being led by the coaches of Ajax who over the years have produced several world class players from their youth academy.



Besides taking part in the training sessions, students also got to take in a matchday experience and watched Ajax defeat FC Twente 2-1. They also were shown around the stadium and got to walk out the tunnel onto pitchside as part of a stadium tour and visit to the museum and club shop.

Students had the chance to spend the afternoon in Amsterdam city centre, where they were allowed to explore and take in the sights on offers, but had to quickly get to grip with some of the local traffic!

Another afternoon was spent on a canal tour of Amsterdam, which was topped off with an all you can eat pancake option, with some students determined to beat the record, but falling a long way short.

The final night of the tour students had the chance to prove themselves against international opposition and could put their new and improved skills to the test by taking on local opposition. It ended in a stalemate over the matches with the Year 11 and 10 teams winning and then 9 and 8 teams being beaten in some very competitive matches.

After the matches students had one final session before the journey home to show off our new talents.....which was made even longer by some horrendous singing (you know who you are)!

The 'jam packed' trip gave students the opportunity to gain an insight into the life of a professional footballer whilst benefiting from some incredible coaching to allow students the chance to develop and practice their skills.

All students behaved perfectly and were worked to the bone by their coaches, who complimented how well the students had worked throughout the visit. They were a credit to themselves, their parents and the school, so from myself and all the teachers who supported the trip I would like to say a huge thank you.

Thank you again to all students and staff for an amazing trip, I hope you enjoyed it and had an incredible experience that you will always remember.



Mr Thomas and the Amsterdam team!

News from Year 8

On 22nd March Mrs Walker and her Year 8 tutees will be running a cake sale in the science quad in aid of Cancer Research. What a good idea! Please bring along some money on the day :)

The Year 7 Science Fair, organised by Ms Schofield last month, was a huge success. Luckily for us, it is being repeated for year 8! Starting in June, students will begin to plan and carry out an investigation of their choice. Students will produce a display board that will show off all of their findings, knowledge and passion for the topic. What's more, doing so provides an opportunity to achieve the Crest Award, an internationally recognised qualification. On July 10th parents are invited to attend the Year 8 Science Fair in Main Hall 1 from 4-6pm. Looking forward to seeing you there :)

Ms Schofield asks for Year 8 students to start to donate cardboard boxes please. We will need loads of these for the display boards.

Mr D Mohan

Head of Year 8

Year 11 Update

PPE Exams

Well done to all students for the completion of all PPE exams. I know how stressful these can be. However behaviour in exams and the attitudes students have shown towards these papers has been excellent.

Don't forget these exams are to support you and test your subject knowledge so that teachers can identify gaps in your learning to help prepare you fully in time for the main exams in the summer.

Positively MAD

On Friday 9th March, all Year 11 students will be taking part in a workshop aimed at providing students with the tools they need to succeed in the summer: from revision ideas, to exam skills and even work on self esteem and confidence. The session will be running during the school day and hopefully students will make use of this valuable time.

Uniform, Equipment & Punctuality

Just a reminder around expectations on these areas. Even during exams our expectations and policies remain the same. A large percentage of students failed to bring a calculator to their Maths calculator paper. If you are having issues obtaining one, please speak to Mr Thomas. Likewise punctuality. With exams after break time some students have been arriving late; please ensure that you arrive to your exams in plenty of time so that you are in the right mindset going in to the exam hall. Finally, although the cold weather is settling back in (temporarily we hope), hoodies and trainers are not permitted. Again, please see Mr Thomas should you have any issues with this.

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Year 11 cont'd

Revision Sessions

Thank you to all the students who gave up their time over the half term to come in and make use of the support being offered by teachers. Sessions will be running over the Easter holidays and these will be confirmed soon. Students will be contacted directly by subject teachers. Don't forget there is also the option to attend subject specific classes after school and at lunchtimes, as well as lunchtime revision sessions and coursework catch up with Mr Thomas in IT1 on a Tuesday and Thursday lunch.

Leavers Hoodies

This year leavers hoodies will be available to purchase online through an external company. Full details of prices and garments can be found on our online leavers hoodies shop: www.leavershoodies.com/shop/sir-william-ramsay

Garments will then be delivered to school and issued to students once a date has been agreed for students to be allowed to wear their leavers hoodie to school. Any issues or questions with this please speak to Mr Thomas.

Mr Thomas, Head of Year 11

Vacancies at Sir William Ramsay School

Business Manager—required as soon as possible.

Teacher of English—closing date 09 March 2018

Learning Support Assistants—please visit our website below for job description and details.

Are you looking for a casual job or know of a family member or friend who might be?

Sir William Ramsay School are looking to recruit Exam Invigilators on a casual basis to help support the smooth running of our examination process.

We offer good rates of pay.

If you are interested please complete an application form available on our website at

www.swr.school

Sir William Ramsay School

Presents...

Little Shop of HORRORS

This amateur production is presented by arrangement with MUSIC THEATRE INTERNATIONAL
(Europe)

Music by Alan Menken

Book & Lyrics by Howard Ashman

Tuesday 20th March &

Wednesday 21st March

7pm in MHI

Tickets:

£8 Adults. Concessions/Students £5

Tickets available via ParentPay

Based on the film by Roger Corman,

Screenplay by Charles Griffith

Originally produced by the WPA Theatre (Kyle Renick, Producing Director) Originally Produced at the Orpheum Theatre, New York City by the

WPA Theatre, David Geffen,

Cameron Mackintosh and the

Shubert Organization

