



BOURNE GRAMMAR SCHOOL BULLETIN

Week ending Friday 12 January 2024

From Alastair Anderson, Headteacher

Our Year 12 Primary School mentoring programme got underway this week with 25 students visiting Bourne Westfield on Wednesday. It was wonderful to watch 25 Year 5 children benefit from the expert attention of our volunteer Sixth Form mentors, especially given it is an unfortunate reality of busy schools that 1 to 1 discussions and tuition is very difficult to achieve for large numbers of pupils. The first session was very much a 'getting to know each other' experience, with some reading towards the end, and next week the focus will switch more earnestly towards mentoring in Maths. I am delighted that things got off to such a great start: the faces of the Year 5 pupils in those 1 to 1 discussions and the excitement around the whole experience did much to brighten my week.

And if it needed brightening any further, Mr Mitchell received notification of our EPQ results yesterday and, not for the first time, the grades are stellar. Of 14 candidates 12 were awarded an A* with the other two being awarded As. The top 4 students achieved full marks. Huge congratulations to all 14 students and many thanks for all the hard work put in by Mr Mitchell ably assisted by Miss McAleese, Mrs Shales and Mrs Revell. Very well done to all involved.

Finally, Year 9 and Year 10 finished their Term 3 assessments this week and both year groups must be congratulated on their positive attitude throughout the process. Year 13 have now started two weeks of A Level mocks and I hope they manage the challenge ahead with the determination typical of a Bourne Grammar student. These are important examinations, vital for empowering both teachers and students with the understanding of what needs to be done before the summer. Good luck, and do not expect perfection! A mock examination that does not identify an area for improvement somewhere has not done its job. Take the rough with the smooth and emerge better for the experience.

YEAR 11 REVISION SESSIONS

Please find below the timetable for next week. Year 11 students can choose the session they'd find most useful and simply turn up. No booking is required.

Not all subjects are listed; some, such as Mathematics, are offering bespoke lunchtime revision sessions and details have been communicated to students directly. All revision sessions will finish at 16:30.

Spanish revision will focus on the speaking exam and will operate slightly differently from all other subjects, as each Spanish teacher will organise a bespoke small-group session. Every student will have the opportunity to sign up in advance with their Spanish teacher.

	Mon 15 January	Tue 16 January	Wed 17 January	Thu 18 January	Fri 19 January
Subject	Geography	Art	EPR	English	Computer Science
Room	G3 (Mrs Greenfield)	Art 2 (Mrs Welling and Ms Wright)	EPR3 (Mr Tighe)	E8 (Mrs Bolitho)	CS1 (Mr Clark)
Revision Topic	A tectonic event – Nepal earthquake 2015	External Exam Unit – Preparatory Work	Theme C: Enlightenment	English Language: Imaginative Writing	Data Representation -Binary, Unsigned Integers, Binary Arithmetic and Two's Complement

	Mon 15 January	Tue 16 January	Wed 17 January	Thu 18 January	Fri 19 January
Subject	Design Engineering	French		Music	
Room	DE1 (Mr Dougall)	MFL3 (Mrs Cowell)		Mu1 (Mr Tomlinson & Mr Jones)	
Revision Topic	Coursework/NEA catch up	Reading Skills: Key Tasks & Strategies 1		Coursework catchup	
Subject	History	German			
Room	H1 (Dr Barmby)	MFL6 (Ms Raebel)			
Revision Topic	Change for African Americans (including Civil Rights Movement)	Maximising 90 Word Essay			
Subject	Spanish	PE			
Room	MFL Classrooms	PE1 (Mr Bowers)			
Revision Topic	Speaking Practice	Paper 2 – Skill Classification, Goal Setting, guidance & feedback			
Subject		Drama (Lunchtime)			
Room		Drama Studio (Mr Moxley)			
Revision Topic		Component 3 – Scripted Practical			

U16 HOCKEY VS KINGS SCHOOL, PETERBOROUGH – Report by Miss Bowtell, PE

On Tuesday 9 January the senior indoor team went to play against Kings School, Peterborough in a play-off to win the Superzone area trophy. The game was four quarters of ten minutes and started in a very even manner with both teams having players making excellent solo runs from one end of the court to the other.

However, as the game progressed our team began to find each other and get into some very strong passing patterns, especially down the right with Annabel Armitage, Flo Dexter and Honor Moore stroking the ball around with ease. Kings began to rely more and more on their very skilled individuals but Daisy Hakim gave them a master class in defensive shadowing and channelling leading to them giving the ball away frequently. Even when they entered our defensive D area, Amaya Mackenzie was rock solid in goal and cleared the ball to the sides with real confidence and power. The game continued in this manner with goals being scored from short corners and open play with our team always being a little quicker to react to turn over of play.





Final Score was 9-1 to Bourne Grammar. Goals were scored across the team – Annabel 4, Daisy 1, Flo 3 and Honor 1.

YOUNG WRITERS COMPETITION – Report by Ms Kemp, English

Congratulations to Aryaman Andali, Year 9, Anica Andali, Year 12 and Freddie Neal, Year 8, who have all had their poems selected for publication by 'Young Writers', an organisation who run national writing competitions for schools. Any other budding writers should see Ms Kemp for details of the next competition or see the poster outside E1. You can read Aryaman's winning entry below.

“Life is good!”,
 but don't think that way,
 “It's all we have ever known”
 you say:
 today was the worst day ever.
 and don't try to convince me that,
 there something good,
 in every day,
 when you take a closer look,
 the world is a pretty evil place,
 even if,
 some goodness does shine through,
 once in a while...
 (now read backwards)

HOUSE TOTALS

			
<p>25670</p>	<p>24661</p>	<p>28218</p>	<p>25337</p>

***These totals show all House Points earned minus Behaviour Points.
 It includes points from all students in each house between 4/9/2023 - 11/1/2024.***

STUDENTS OF THE WEEK

Name	Year	Staff	Subject
Evelyn Bostock	7	Ms Henson	History
Lillyana Darcy	7	Miss Mizen	Science
Danny Harvey	7	Mrs Worrall	Spanish
Madeleine Hobson	7	Mrs Allen	English
Madeleine Hobson	7	Ms Henson	History
Immy Joyner	7	Ms Jasinska	Spanish
Juliette King	7	Mrs Allen	English
Juliette King	7	Ms Henson	History
Ted Moccarme	7	Mrs Ford	Pastoral
Zina Nwamarah	7	Ms Henson	History
Maya Pascan	7	Ms Jasinska	Spanish
Harshil Varin Kadire	7	Miss Segarra Ginés	Spanish
Sasha Mackintosh	7	Mr Brown	Computer Science
Harry Maycock	7	Mrs Allen	English
Aarya Tirchunapalli	7	Miss Hodge	History
Melosa Gigi	8	Mr Farrow	Mathematics
Samuel Santos	8	Mrs Evans	Geography
Noah Skinner	8	Mr Delpport	Design Engineering
Ria Gupta	8	Mr Hewitt	German
Bri O'Boyle	8	Mr Hewitt	German
Aarav Poshala	8	Mr Hewitt	German
Macy Bundock	8	Miss Lindley	Geography
Avani Sunish	8	Miss Lindley	Geography
Fin Ashwell	9	Mr Delpport	Design Engineering
Coby Dawkins	9	Mr Sheppard	Registration
Danesha Kumari	9	Miss Mizen	Biology
Ellen Richardson	9	Miss Patman	Spanish
Weronika Skrzynecka	9	Mrs Clark	Spanish
Matthew Foster	9	Miss Segarra Ginés	Spanish
Kiki Timmins	9	Mr Delpport	Design Engineering
Edward Amos	10	Ms Bennett	English
Zach Bojang-Brett	10	Miss Pritchard	English
Eva Harris	10	Miss Pritchard	English
Macey Hemmings	10	Miss Pritchard	English
Georgia Herrick	10	Miss Pritchard	English
Chloe Burgin	10	Ms Creedon	Spanish
Alice Chauvaux	10	Mrs Cowell	French
Chloe Cox	10	Mrs Cowell	French
Zara Johnson	12	Miss Bradley	Sports Studies
Clara Lytle	12	Mr Moxley	Pastoral
Catrinel Acasandri	12	Mrs Bolitho	English Literature
Juanita Anson	12	Miss McAleese	Psychology
Lucy Cole	12	Mr Williamson	Media Studies
Aneesa Gilani	12	Dr Hobbiss	Psychology
Hermione King	12	Miss Patman	Spanish
Lucas Brown	13	Mrs Bolitho	English Literature
Elise March	13	Mrs Bolitho	English Literature

Freya Dimeloe	13	Miss McAleese	Psychology
Aimie Staite	13	Dr Hobbiss	Psychology

BBL CHAMPION AWARD – Mr Hewitt, Deputy Headteacher – Academic

The BBL Champion is not awarded to an individual student this week but rather to a whole class. The Year 12 Further Maths group has been busily competing in a prestigious national competition that demands extraordinary levels of commitment and independent thinking. One of the students involved, Caleb Yates, explains more:

RITANGLE – Report by Caleb Yates, Year 12

The UKMT Ritangle is a national competition for A-level mathematics students which the Year 12 Further Maths class undertook between October and December last year. The challenge initially comprised of weekly math questions on topics whose content, whilst not outside that of the A-level Maths course, were uniquely challenging and detail-oriented. They took anywhere from mere minutes to days of work to complete and often required (as the competition allowed) every available resource at our disposal, including graphing software, equation solvers and, albeit with little success, AI. An example question is shown below.

$$\text{Define } P_k(n) = \sum_1^n r^k.$$

$$\text{Thus } P_0(n) = \sum_1^n r^0 = n, P_1(n) = \sum_1^n r^1 = \frac{n(n+1)}{2} \text{ etc.}$$

If m is the smallest integer > 1

so that $\frac{P_2(m)}{P_1(m)}, \frac{P_4(m)}{P_1(m)}$ and $\frac{P_4(m)}{P_2(m)}$ are all integers,

what is $\frac{P_2(m)}{P_1(m)} + \frac{P_4(m)}{P_1(m)} + \frac{P_4(m)}{P_2(m)}$?

1	2	3	4	5	6	7
8	9	10	11	12		
13		14				

As the weeks moved on, the questions ramped up to three times a week, consuming more and more time and effort, yet, as a team, we stayed strong. After each question, we received a cryptic clue towards a password which guarded the final challenge; some clues had shapes to make a crossnumber (shown above) and others rules to follow to fill it out; solving the crossnumber would give you the password. All-in-all, it took 3 days to get the password alone.

Because of the time it took to get the password, we then only had 4 days to submit a solution for the final problem, a problem so vast, it takes three pages of paper to describe. In brief, it requires you to create two chess tournament templates whilst following 11 rules which are very easy to break. Below is an example of 1 of the 345 match pairings we created.

1.C.01,B.01

It was all consuming, we worked around the clock for 96 hours, mainly on spreadsheets, although painstakingly verified each pairing by hand. And yet, we didn't finish. It was devastating at first; though, we soon realised that the end goal was a very small part of the incredible, arduous journey which had gotten us there. It was a lesson, yes in failure and success, but above all in effort. We tried, and that is the most important thing; as such, UKMT recognised our effort, and we were one of the 153 teams on the list of honourable mentions. It may seem insignificant to be 1 in 153, but in the context of the 1200+ teams that initially entered, we're very proud.

Commendable teams

153 teams from the following schools submitted correct answers to part of the Stage 3 tasks, demonstrating clear understanding of the complex world of Jamboree Pairings.

Abingdon School

Kenilworth Sixth Form

Saint Mary Redcliffe Sixth Form

Alley's School

King Alfred's Academy

Saint Olave's Grammar School

Barton Peveril College

King Edward VI Camp Hill School
for Boys

Sale Grammar School

Beths Grammar School

King Edward VI Camp Hill School
for Girls

Shaftesbury School

Bourne Grammar School

Sir Henry Floyd Grammar School

