



BARNARD CASTLE
PREPARATORY SCHOOL

The Barney Buzz

Friday 22nd September 2017

Issue Number: 874

Headmistress's News

This week we have been thinking about The Barney Way in both assembly and class time and I have been keen to get children's views and thoughts on our principles. It has been interesting that a common theme from many of the children was that 'Be Smart' should be added into our conduct, focusing on the way the children present themselves and I would like to discuss this further with the children next week. We are keen that the children are proactive in their positive behaviour by being kind, safe, polite, helpful and respectful in all that they do and it has been lovely to see many examples of these qualities already this term.

As it has become customary, I would like to invite any volunteers from Years 1 to 6 to attend School and take part in activities at our Open Morning on Saturday 7th October between 9am and 11:45am. In the past, the pupils have very much enjoyed this experience and valued being able to represent the School. As has been the tradition, we will also use Year 6 pupils to guide our visitors around the School. A letter with further details is attached to today's email. If you know of anyone who may be interested in the Prep School, please do encourage them to come along to our Open Morning on Saturday 7th October between 9:30am and 11:30am.

We are also looking forward to our Harvest Festival service in the School Chapel on Friday 6th October at 9am and all parents, grandparents, relatives and friends are welcome to attend. As always, we would be pleased for the children to bring in harvest produce, such as vegetables, tinned food and dried food as well as flowers for the service. We will then distribute the items to local food bank and flowers to the care homes in our community.

I look forward to seeing many of you at our Hockey and Rugby fixtures this Saturday and Sunday as part of the Rugby Festival Weekend.

I am attending a conference on Wednesday, Thursday and Friday next week, so any queries or concerns in my absence may be directed to our Deputy Head, Mr Langley.

Have a lovely weekend.

Laura Turner

Boarders' News

On Saturday night some of the older boarders were fortunate enough to travel to the international cricket T20 in Chester-le-Street to witness the West Indies triumph over England. Earlier that day the younger members of the house had the chance to make some vegetarian spring rolls as well as design some canvases – ably assisted by Mrs Lanigan-O'Keeffe.

On Sunday afternoon Mrs Armstrong led us all on a lovely walk around the local countryside where we had the chance to meet some friendly farm animals and develop our stone skimming skills! The boarders should be congratulated on a great start to the year and are looking forward to spending time with their families this weekend.

Mr Robson



It's a boy!

We would like to wish Mr and Mrs Hairsine huge congratulations on the arrival of Rory John Hairsine on Wednesday 20th September, weighing 7 pounds 11 ounces.

Mother and baby are both doing well and Father and Ruadh the dog are both delighted with the new addition to the Hairsine family! Best wishes from all at the Prep School.



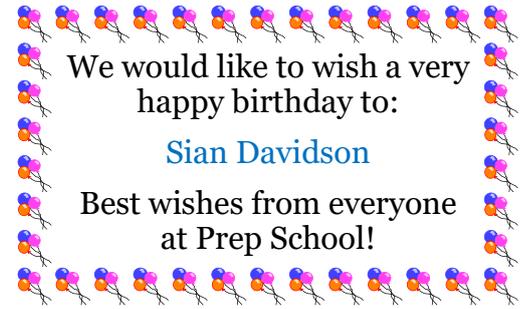
It's all adding up!

This week, Year 4 had their first fabulous session in the Atkinson Hall for our interactive Maths lesson. Each week we will have a specific focus relating to our work in class. This week we have been looking at Roman numerals, number patterns and multiplication. In these sessions the children will use the laptops for investigations and Mangahigh, play various Maths games and work with one of the teachers to carry out activities and solve problems. It is a super time for the children to work both collaboratively and independently to add to their knowledge.



The bear necessities!

On Wednesday, Year 3 immersed themselves in their English topic and embraced the life of different bears on a trip to Seven Stories, Newcastle. The day began with some story-telling and looking at different bear characters - are they real or cartoon bears? The children enthusiastically engaged in discussion around the portrayal of characters by illustrators and were invited to create their own bear characters and design a book cover. Before lunch, we were given the opportunity to explore the Bear exhibition where the children found many interesting facts about real bears around the world and dressed up as various bear characters from stories such as Paddington, The Bear Under the Stairs, Goldilocks and the Three Bears, and many more. Feeling energised after lunch, we were welcomed by our storyteller for the afternoon who took us on a tour of the comics exhibition, exploring character, setting, superpowers and how a comic strip is set out. The children made a start writing their own comic strip which we will develop and finish in English next week! Feedback from the children and parents has been extremely positive and we look forward to continuing our bears theme in the coming weeks.



STEM club in action!

The challenge - How strong is spaghetti?
The answer - Rather strong... just ask our Year 3 and 4 scientists! Watch out next week for more news about what our Barney scientists get up to!



Not caving in!

The Year 5 pupils have been extremely busy this week. They all had great fun on the sports field and astro-turf on Friday preparing for their first matches of the year. Many children are well on their way with their projects and on Monday we were delighted to see two Lego models by Benjamin and Jonny. We loved testing rocks in Geography to see if they were permeable and discussed how caves are formed, ahead of our trip to White Scar Caves on Wednesday.



Sports News

Rugby v Sedbergh: U11A&B

On Saturday, the U11s hosted Sedbergh on the Rugby field. All the boys were playing and they carried on their start to the season with some dominant performances. We split into three teams as Sedbergh had five players pulling on the day. The 1st VII were too strong for the Sedbergh side and came out convincing winners. Our 2nd VII won one and lost one while our 3rd VII were again too strong for their counterparts. We were playing far better rugby from last Friday across the year group with some excellent performances. We are looking forward to the triangular this afternoon with Ashville and Yarm. **Mr Wicling**

Super scientists!

The Year 1 pupils were scientists this week! They fully immersed themselves into exploring different materials to see if they were waterproof or not. They also enjoyed looking at the artist Kandinsky and produced wonderful circle paintings inspired by him.



Awash with advice!

On Tuesday this week, the Reception class were visited by the School day matron, Mrs Robson, who gave a talk about the importance of hand-washing. The children all washed their hands with Mrs Robson and identified places where bugs might hide such as handles and table tops etc. Afterwards they enjoyed learning a new song about germs!



We've got your number!

Year 6 have really enjoyed their new hall Maths sessions and have responded to the increase in independence and creativity required. Many of the pupils will build upon skills developed last year and our time together now brings us in line with the rest of the School. This week we explored abundant and perfect numbers, enhancing our knowledge of factors and times tables, and we learned to transpose normal multiples of numbers into fascinating patterns.



Walk this way!

On Monday afternoon, 2P set off on a map reading activity around Barnard Castle. It was a warm day and we were all pleased to be outside in the sunshine. Each pair of children had a town plan to follow and a highlighter pen to mark their route. It was interesting matching the mapping symbols with the actual buildings and features as we passed them. On our walk we stopped at Bowes Museum, crossed the River Tees, examined the Butter Market and looked closely at the ornate statues above the door of Blagraves Restaurant. We also spotted houses with cellars, lightning conductors, electricity and gas meters, a red telephone box and even an ornate lead drainpipe. It was interesting deciding which buildings were old and which were new. Many were made from sandstone and some walls had become quite weather-beaten over the years. It was a long walk but the children had enough energy left at the end to have fun playing in the playground. Many thanks to Mrs Turner, Mr Killeen and Miss Dinnes for accompanying us and helping to make it such an enjoyable afternoon. **Mrs Priestley**



Further forest fun!

Year 3 were busy in Forest School this week, trying their hands at whittling and learning some new knots to help them with their shelter building. The rain held off, so we took the opportunity to have our first fire, collecting firewood and boiling up the Kelly Kettle to make hot chocolate.



Music News

The Osiligi Maasai from Kenya

On Monday we had the amazing opportunity to welcome the Osiligi Maasai troupe into School. They tour the UK each year in order to raise funds for their community back home. We learned how they haven't had rain for three years and yet most of their livelihood is devoted to livestock and thus the men travel in a nomadic style lifestyle with the animals. We also saw pictures of how money raised has led to a wonderful school being built for 200 children including modern technology and all solar powered as well as a huge water well being created. We watched the Osiligi (Osiligi means "hope") troupe perform a range of songs, dances, jumping (very high!), a drama about how they traditionally caught lions and a range of sound effects including mimicking animals. Days later, the pupils are still talking about this amazing opportunity and we hope that we will get to meet them all again at some point in the future.

Chapel Choir

We often have Year 5 and 6 pupils who want to join Chapel Choir. This choir is run by Mr Dearsley, Director of Music at the Senior School, and performs in a range of concerts out of School as well as a sung Matins in Chapel every few weeks. It consists mostly of Senior School pupils but is great for older Prep pupils too because it is the most advanced choir that we have at the School. The choir has changed this year and now meets on a Friday from 4:00-5:00pm. Any pupils interested should have a chat with Dr Harrison.



Café au lait?

On Wednesday 18th October, Prep School is holding one of the most anticipated events of the School calendar; the Epilepsy Action Café.

For those pupils who haven't experienced this before, the format is simple:

- Bring a cup/mug from home and £1/£2 to spend on cakes and pastries
- Enjoy a cuppa with your friends
- Raise money for a good cause

As the title of the event may suggest, there is a French theme, so some delicious French goodies will be for sale and the children will be encouraged to use their knowledge of French to buy them.

If you are a parent or grandparent with half an hour (or more!) to spare to help with serving tea and cakes, please can you email Miss McNulty (mmm@barneyschool.org.uk) who is organising this event, with the help of the School Council, and let her know when you would be free during the day (between 9am and 4pm).

If you don't have the time, but are a dab hand at baking, then cake donations would also be gratefully received! Please feel free to join us from 3pm in the Atkinson Hall to enjoy some refreshments.

We hope to see you there!

Fancy a cuppa?!

The Senior School Barney Friends are hosting a 'Macmillan world's biggest coffee morning' on Friday 29th September from 9am to 11:30am. Everyone is welcome, please come along to the Senior School Dining Hall and support this worthwhile cause. Any cake donations would also be gratefully received - please drop them off that morning at the Dining Hall. Thank you!

Harvest Festival Service

You are all warmly invited to join us in the School Chapel on Friday 6th October at 9am for our Harvest Festival Service. Refreshments will be available afterwards in the Atkinson Hall.

We would be pleased for the children to bring in harvest produce on that morning, which will be distributed to the local food bank.

The following items would be appreciated:

- Fruit and vegetables
- UHT milk
- Sugar
- Fruit juice (long life, not chilled)
- Tinned meat, tuna, vegetables, fruit
- Rice pudding, sponge puddings
- Jam/chocolate spread
- Pasta sauce
- Breakfast cereal
- Instant mashed potato
- Flowers

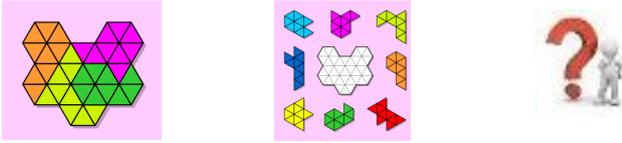
Many thanks in advance for your support.

Barney Friends' Picnic and Games!

The first event of the new school year organised by Barney Friends takes place on Sunday 1st October. Our relaxed family fun and games afternoon with BYO picnic starts at 12.30pm - we recommend parking at Senior School as we will meet on the croquet lawn opposite Chapel. Everyone is warmly invited to come along; it's a great chance for new families, in particular, to meet more children and parents. There will be bats, balls and other games equipment for the children to play with plus the chance to take part in rounders and dodgeball for those with a competitive spirit. We hope many of you will be able to join in. Please note: we have no wet-weather alternative, so in the event of rain or high winds, the event will be off. If you're unsure on the day, please call Rachel Goad for confirmation on 0770 426320.

Maths Puzzler

Well done to everyone who submitted a solution to last week's puzzler - the solution is below.



This week I return to one of my all-time favourite puzzles. Using the symbols from the periodic table which words can you spell? For example Iron (Fe) and Radon (Rn) can be combined to make FeRn, or you could combine Helium (He) and Nitrogen (N) to make HeN. How many can you find? What is the longest word you can find? How many can you find? Good luck!

Mr Ayres sta@barneyschool.org.uk

Periodic Table of Elements

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1 H Hydrogen (1.008)	2 He Helium (4.0026)																
3 Li Lithium (6.941)	4 Be Beryllium (9.0122)	5 B Boron (10.811)	6 C Carbon (12.011)	7 N Nitrogen (14.007)	8 O Oxygen (15.999)	9 F Fluorine (18.998)	10 Ne Neon (20.180)										
11 Na Sodium (22.990)	12 Mg Magnesium (24.305)																
19 K Potassium (39.098)	20 Ca Calcium (40.078)	21 Sc Scandium (44.956)	22 Ti Titanium (47.88)	23 V Vanadium (50.942)	24 Cr Chromium (51.996)	25 Mn Manganese (54.938)	26 Fe Iron (55.845)	27 Co Cobalt (58.933)	28 Ni Nickel (58.693)	29 Cu Copper (63.546)	30 Zn Zinc (65.38)	31 Ga Gallium (69.723)	32 Ge Germanium (72.64)	33 As Arsenic (74.922)	34 Se Selenium (78.96)	35 Br Bromine (79.904)	36 Kr Krypton (83.80)
37 Rb Rubidium (85.468)	38 Sr Strontium (87.62)	39 Y Yttrium (88.906)	40 Zr Zirconium (91.224)	41 Nb Niobium (92.906)	42 Mo Molybdenum (95.94)	43 Tc Technetium (98.906)	44 Ru Ruthenium (101.07)	45 Rh Rhodium (102.905)	46 Pd Palladium (106.42)	47 Ag Silver (107.868)	48 Cd Cadmium (112.415)	49 In Indium (114.818)	50 Sn Tin (118.710)	51 Sb Antimony (121.757)	52 Te Tellurium (127.6)	53 I Iodine (126.905)	54 Xe Xenon (131.29)
55 Cs Cesium (132.905)	56 Ba Barium (137.327)	57-71 Lanthanoids	72 Hf Hafnium (178.49)	73 Ta Tantalum (180.948)	74 W Tungsten (183.84)	75 Re Rhenium (186.207)	76 Os Osmium (190.23)	77 Ir Iridium (192.222)	78 Pt Platinum (195.084)	79 Au Gold (196.967)	80 Hg Mercury (200.59)	81 Tl Thallium (204.38)	82 Pb Lead (207.2)	83 Bi Bismuth (208.98)	84 Po Polonium (209)	85 At Astatine (210)	86 Rn Radon (222)
87 Fr Francium (223)	88 Ra Radium (226)	89-103 Actinoids	104 Rf Rutherfordium (261)	105 Db Dubnium (262)	106 Sg Seaborgium (263)	107 Bh Bohrium (264)	108 Hs Hassium (265)	109 Mt Meitnerium (266)	110 Ds Darmstadtium (267)	111 Rg Roentgenium (268)	112 Uub Ununbium (269)	113 Uut Ununtrium (270)	114 Uuq Ununquadium (271)	115 Uup Ununpentium (272)	116 Uuh Ununhexium (273)	117 Uus Ununseptium (274)	118 Uuo Ununoctium (276)

For elements with no stable isotopes, the mass number of the isotope with the longest half-life is in parentheses.

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Awards This Week:

Merit Certificates:

Dominick Armstrong, Olivia Harland, Fenella Heagerty, Annabel Jackson, James Nath, Thomas Scott-Priestley, Isabelle Shield, Hugo Thompson, Flora Whitaker, Ed Wicling, Francesca Wilks, Lilly Cassidy, Teddy Hall, James Harburn, Harriet Hatton, Arabella Milbank, Edith Smart, Theo Swan, Freya Turner

Headmistress's Commendations:

Alexander Carr
Peter Stevenson
Flora Whitaker
Freya Turner

Well done!

Forthcoming Events

September

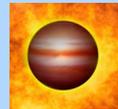
- Fri 22 **Tempest individual school photograph order forms due in before 5pm please!**
Rugby v Ashville & Yarm (A—Ashville): U11A&B, U10B, 2pm
Hockey v Yarm & Ashville (A—Yarm): U10A&B, 2pm
Hockey v Yarm & Ashville (A—Ashville): U11A&B, 2pm
- Sat 23 Exeat Weekend
Rugby Clegg Cup Competition: U10 (H), 1:30pm
Hockey Seddon Cup Competition: U10 (H), 1:30pm
- Sun 24 Exeat Weekend
- Mon 25 Rugby v Yarm: U9A&B, U8A&B (A), 3:15pm
Hockey Training Workshop at Yarm: U8 & U9 (A), 3:15pm
- Tues 26 LEpra workshops for pupils
- Wed 27 Year 5 Trip to White Scar Caves
Year 6 London trip meeting for parents, Atkinson Hall, 7pm
- Fri 29 Hockey v Bradford Grammar: U11A&B (H), 1pm
Hockey v RGS Newcastle: U11A&B, U10A&B (H), 2pm
Rugby v RGS Newcastle: U11A,B&C (H), 2pm

October

- Sun 1 Barney Friends' Picnic, 12:30pm

App of the Week:

Exoplanet



Aimed at all our future astronomers and scientists, this is a fantastic free app that wouldn't have been possible even a few years ago, because we didn't know of enough exoplanets (planets that exist outside of our solar system). These days, people are finding them all the time. They're finding them so often, in fact, that this morning my Exoplanet app downloaded the details of 26 more! This is a lovely little app: a database of planets and what we know about them and a huge zoomable map of the Milky Way to show you where they all sit in space. As a consequence, the first thing I learned is quite how mind-bogglingly huge our galaxy is. The second thing is that astronomers are not good at picking snappy names for planets, unless, HD 20794 d is your idea of a super name!