

NewsRound



Keeping parents and students informed

Term 4 Letter 4 Friday 16 March 2017

ARTiculation prize winner

Helen Webley-Brown, representing Ashcroft Academy, along with eight other students from state maintained and independent schools all spoke eloquently at the ARTiculation Final 2017 last Friday. The final took place at Clare College, University of Cambridge where Helen supported by her peers and staff members gave a riveting presentation on Berndnaut Smilde, 'Nimbus Sankt Peter' (2014).

Helen was overwhelmed as the announcement was made she had won this year's competition. The Prize challenges 16 to 19 year old students to present in public on a work of art, architecture or artefact. Over 4,000 young people from 200 schools take part in ARTiculation activities every year so this was quite an achievement for Helen.

A quote from Joanna Littlejohns, the ARTiculate head, "Helen did brilliantly while delivering a fantastic presentation the Adjudicator, Tim Marlow, was incredibly impressed by her presentation and we all want to congratulate Helen on coming first and winning this national competition". Sir Antony Gormley also gave a keynote lecture to the finalists and 100 young people.



Praise has been given to the nineteen Year 11 students for their achievements in the British Physics Olympiad GCSE Challenge. They were great sports to complete yet another exam with minimal preparation amidst all the hard work and studies they are currently doing in preparation for their summer GCSE exams.

The paper was particularly challenging and tested some content we only cover at AS Physics. Oliver Evans was a mere 4 marks off a gold certificate so a huge well done for his effort! Other students were awarded bronze or commendations.

Ashcroft's first Nike-a-Thon

Well done to the 23 strong group of female students who competed in ATA's first Nike-a-Thon organised by Year 13 student, Abigail Lane.

It was a fantastic and energetic event which raised £45 for Abigail's chosen charity 'Nepal's Womens' Skills Development Organisation'.

A £20 Topshop voucher was presented to Mischa Tseleki 7T5 who competed in challenges: holding the plank, wall sit, 'v' sit and then in the final leg raises for the longest time.

Mrs Ward looks forward to seeing you at her normal Nike Lunch Club next week.



Faith Direct Conference

On Wednesday a group of Year 10 students visited the Faith Direct Conference at Wandsworth Town Hall.



There were a variety of religious leaders present at the conference, including representatives from religions that they already knew about such as Buddhism, Hinduism, Sikhism, Islam, Christianity and Judaism. There were also religious leaders from the Baha'i faith and from Humanism.

Each leader explained a little about their religion; such as the beliefs and practices of their faith. They then allowed the students to ask questions. They

asked about all sorts of things such as religious approaches to ethical issues, about similarities and differences between the faiths, and about their approaches to interfaith dialogue. At the end of the conference they identified that religions seem to have far more in common than they have separating them. This was a really positive thing to uncover, and brings hope that the world can learn to be a little more religiously tolerant.

Well done netballers

PRAISE for the Year 8 netballers who competed last night in the Borough Netball Tournament. It is not often we field two teams at these events but it was great to take all 15 students. We had 5 Wins, 1 Draw and 3 Loses - Mrs Ward was very happy with this result. Well done everyone. As the season comes to an end she hopes they will continue to attend Netball Club next year and better still join the rounders club after Easter.



Meal Revaluation Machine

Please note that at long last the restaurant revaluation machine has been upgraded to take the new polymer £5 note.

It is also ready to accept the new £1 coin and £10 polymer note due for circulation later this year.



It has been an eventful week with a variety of events taking place for students across all year groups.

Obviously our duckings have taken centre stage and Duckwatch has acclaimed much following through our internal and external links - they are almost as famous as Justin Beiber or Beyonce!

Students have enjoyed all the activities which have brought another dimension of science into the classroom, a little bit different to lessons and in some respects amusing scientific facts.

Who would have thought Bubbles were so important?

Science Week began last Friday when physicist and oceanographer Dr Helen Czerski came in to take us on an amazing journey into the science of bubbles. Bubbles may seem to be fun toys or tickle your nose when drinking a lemonade or a coke, but they are also powerful tools that push back the boundaries of sciences.

The soap bubble with its delicate, fragile skin tells us about how nature works on scales as large as a solar system and as small as a single wavelength of light. Then there are underwater bubbles, which matter because they are part of how the planet works. Out at sea, breaking waves generate huge plumes of bubbles which help the oceans breathe.

From the way animals behave to the way drinks taste, Dr Czerski showed students how bubbles affect our world in all sorts of unexpected ways. Whether it's the future of ship design or innovative new forms of medical treatment, bubbles play a vital role.

Students watched with interest her 'bubble' presentation which showed reasons why penguins stored air bubbles in their coat to enable them to swim at speed and dive upwards out of water to land. She said 'Bubbles are like the dolphins of the physics world - they make people happy but scientifically they are also fascinating.



Science Busking

The ever popular busking event was attended by Year 7 and 8 students who were thrilled, awed and inspired by the range of scientific wonders demonstrated by Year 12 volunteers.



The Auditorium housed the event during Wednesday lunchtime with side shows each vying for the attention of the students to show them a scientific wonder. Students had great fun making giant bubbles or balancing a fork or two on their nose. They could try to push over the 'Great Sumo' using their entire strength or watch the human origami relying on each other to hold their balance without collapsing in a heap. A bit of forensic science to determine who killed the body found on the auditorium floor did wonders for your imagination There was also a health clinic corner, sound station, tornado in a bottle and optical

illusions.

Science can be such fun when you know how. A big thank you to all the sixth form students for their efforts and energy and of course the Science Department for organising such a great event.

Speed Networking

On Monday sixth form students were invited to meet professionals from a variety of Science, Engineering and Mathematics backgrounds. Students moved between the professionals, asking questions and finding out more about their careers and the pathways they took to enter their chosen specialities. A buzzer was sounded to let them know they needed to move on to the next person.



The visitors opened up a new world to those students who were seriously thinking about a career in science but not sure which career path to choose.

Duckwatch

The eggs arriving caused much interest but when they started to hatch caused unbelievable curiosity. Once they had dried out and fluffed up they were the cutest things to watch.

As the days came and went we could see the change in them especially when given a small tray of water they instinctively swam before becoming tired and huddling together to sleep.



The little ducks were transported back to their farm today where we are sure they will revel in a bigger pond and grow to be unrecognisable by us in a few months time.



The Big Dissection

This certainly wasn't for the squeamish as Year 10 students holding a dissection licence demonstrated to a KS3 audience the art of dissection in glorious technicolour shown live on the large screens behind their cutting tables.



With great skill they dissected a rat, a frog and a squid providing an explanation of every cut in detail!!!

Science Cinema

An invited audience watched a David Attenborough Africa documentary, about animal adaptations and survival in the heat. There was a wordwall interactive quiz running alongside the documentary where the students were tested on related Science knowledge. The levels of questions ranged from KS3, eg Define Prey and up to GCSE level to identify the features of thermoregulation.

The winner of the Quiz was Lois Levi in year 8.

WEEK 4 MATHS CHALLENGES

KS3

NUMERACY CHALLENGE



At the Shakespeare's Globe theatre most spectators had to stand.

Q1 If the area of the floor plan was 908m² and the stage took up 12%, what was the area left for standing?



Q2 Estimate how many spectators were standing at the Globe theatre.

Use the **green** slips to submit your solutions in the post-box in the Maths corridor by Monday 27th March.

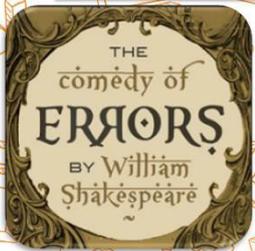
KS4

NUMERACY CHALLENGE



The Comedy of Errors is the shortest of Shakespeare's 37 plays at just 1,770 lines long.

Q1 If in total his plays are made up of 884,429 words, what's the average word count per play?



Q2 What fraction of his plays were comedies?

Q3 Estimate the number of words in all his comedies

Use the **orange** slips to submit your solutions in the post-box in the Maths corridor by 27th March.

KS5

NUMERACY CHALLENGE



Historians believe Shakespeare was born on the 23rd of April 1564

Q1 Use the formula to work out the day of the week he was born:

$$w = (d + (2.6m - 0.2) + y + \frac{y}{4} + \frac{c}{4} - 2c) \text{ mod } 7$$

If $w = 0$ then Sunday, 1 = Monday etc...
 d = the day of the month
 c = the last 2 digits of the year
 y = the first 2 digits of the year
 m = shifted month (March = 1, Feb = 12)

What is the remainder when divided by 7?

Use the **red** slips to submit your solutions in the post-box in the Maths corridor by 27th March.

ARE YOU READY TO FOR THIS WEEK'S MATHS CHALLENGES?

Lots of entries this week but only 1 correct entry for the KS5 problem!! Come on sixth formers you all love your maths!

The winners are:

KS3 problem: Zacarias Val Gutierrez 8T7

KS4 problem: Meriem Sailaa 10T6

KS5 problem: Sabaa Beekawoo 8T7

Winners will be given their badges this week.

We are still accepting answers for Week 3's problems (until break time Monday 20 March) and the problems for Week 3 with a Shakespeare theme are here for you to start thinking about. Make sure you get involved!

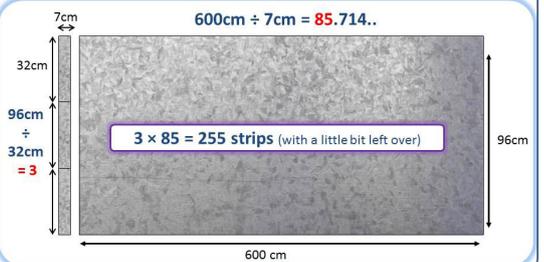
Here are the solutions to the Week 2 challenges.

KS3

WEEK 2 SOLUTIONS



How did you make?



KS4

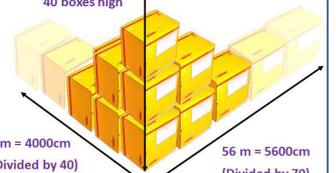
WEEK 2 SOLUTIONS



First rotate the box...



24m = 2400cm
(Divided by 60)
40 boxes high



100 x 40 x 80 = 320,000 boxes!!



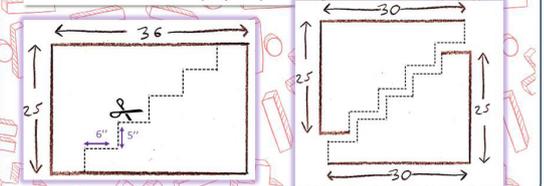
KS5

WEEK 2 SOLUTIONS



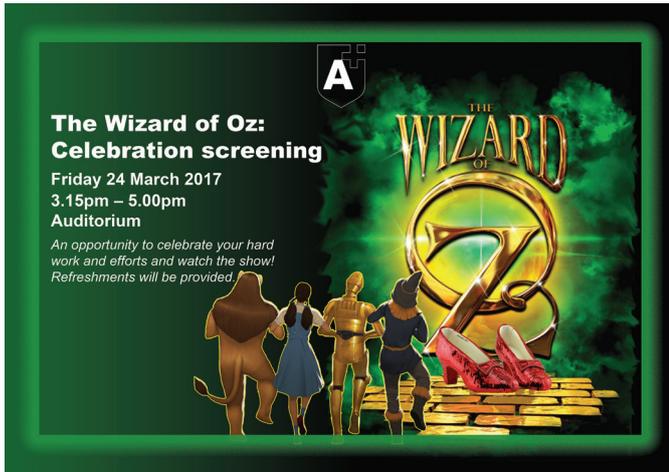
You can only cut it into **two** pieces...
...and you can't waste anything!!

Think about the common factors between 25 & 30 and 36 & 30...
Then take it step by step...



A special screening of the Wizard of Oz for the cast and crew only will take place as below.

They can see for themselves what a splendid production it was due to their outstanding acting/singing and the superb job of all the crew behind the scenes.



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REMAINDER TERM DATES 2016-2017

| | |
|----------------------|--------------------------------|
| Term 4 begins | Mon 20 Feb – Fri 26 May |
| Staff Dev Day | Fri 31 Mar |
| Easter break | Fri 31 Mar – Mon 17 Apr |
| Bank Holiday | Mon 01 May |
| Term break | Mon 29 May – Fri 02 Jun 2017 |
| Term 5 begins | Mon 05 Jun – Fri 21 Jul |



| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | Multi-choice menu MEAL DEAL Choose a hot meal from Option 1 plus something from Options 2 or 5 Choose a soup from Option 2 plus something from Options 3 or 4 or 5 Choose a sandwich from Option 4 plus something from Options 2 or 5 Choose the Salad Bar option plus something from Options 2 or 5  |
|----------|--|--|--|--|---|--|
| 1 | Chicken Flatbread Spanish Omelette with Salad | Mediterranean Fish Vegetable Lasagne | Chilli con Carne and Rice Open Vegetable Tart | Roast Turkey and Roast Potatoes Vegetable Curried Naan | Fish and Chips Pasta Bake | |
| | Pasta King Jacket Potato | Stone Baked Pizza Jacket Potato | Chicken Joe's Wrap Jacket Potato | Stone Baked Pizza Jacket Potato | Chicken Joe's Wrap Jacket Potato | |
| | Green Beans and Cauliflower | Baby Carrots and Parsley Potatoes | Peas and Sweetcorn | Carrots and Cabbage | Peas and Sweetcorn | |
| 2 | Lentil Soup | Vegetable Soup | Tomato and Basil Soup | Spiced Citrus Bean Soup | Leek and Potato Soup | |
| 3 | Salad Bar (small bowl with multi choice) | Salad Bar (small bowl with multi choice) | |
| 4 | Any sandwich (max price £1.50) | Any sandwich (max price £1.50) | |
| 5 | Apple Crumble and Custard | Rice Pudding | Lemon Drizzle Cake and Custard | Carrot Cake and Orange Sauce | Fruit Cobbler and Custard | |
| | Fresh Fruit Selection of small cold Desserts Selection of Cakes and Biscuits | Fresh Fruit Selection of small cold Desserts Selection of Cakes and Biscuits | Fresh Fruit Selection of small cold Desserts Selection of Cakes and Biscuits | Fresh Fruit Selection of small cold Desserts Selection of Cakes and Biscuits | Selection of Cakes and Biscuits | |

Meal Deal (Option 1 + 2 or 5) £2.15 students/£2.36 staff Main Meal only £1.83 students/£2 staff

| | | |
|--------------------------|-------------------------------|---------------------------|
| Lunch rota for next week | 1st sitting Year 11/10 — 1.05 | 2nd sitting Year 7 — 1.15 |
| | 3rd sitting Year 8 — 1.25 | 4th sitting Year 9 — 1.35 |