

Year 7 and Year 8 Curriculum Support Booklets

This is a booklet designed to support students in their school studies. Teachers have collected together all of the interesting facts, key words, techniques, and memory aides they think students need to know in their subject. There is a lot of helpful information in these pages that can be used to help you understand and enjoy your subjects. The booklets can be found on our website under the Year 7 and Year 8 tabs.



NewsRound

Keeping parents and students informed

Term 4 Letter 6 Friday 31 March 2017

Head Student Team 2017

Congratulations to our newly appointed Head Student team who will take over from the present team almost immediately. It was very hard to choose from the many excellent candidates who submitted such articulate application forms. After much discussion, Mr Roberts announced that Helen Webley-Brown (third from left) was chosen as Head Student and will be supported by a team of three deputies – Oscar Fitzpatrick-Nash, Dominic Bonilla Castro and Shanel Cornwell (l to r in photo). We are sure they will prove to be a successful team and we wish them well for a successful year in office.



We would like to say a farewell to our out-going Head Student Fredrika Persson and her deputies: Vigan Ajvazi, Marta Sarosiek, Zahra Khalaf and Nazeema Ishmael. We sincerely thank them for all their hard work and support throughout the past year, and we wish them great success in the lead up to their final A-level exams.

Ashcroft Film Festival

The first Ashcroft Film Festival was held in our auditorium this week. The IB film students showed seven home-made films which ranged in style from gangster movie to black comedy. The prize for best film went to Sofus Forsssel Pyke for his seven minute short 'Tulip'. His film explored the experience of displacement and adjustment through the ideas of a child refugee. The film was a family affair with his sister Manon in the lead role and his mum Camilla as supporting actor.

What really impressed the judges was Sofus' ability to tell a complex and challenging story with no dialogue, relying purely on film language.

The student audience really appreciated the hard work and effort each participating student had put into their nominated film. The quality of the films was so high that we are very confident of some excellent grades in IB film this year.

Happy Skiing

We wish the 32 students and staff members a really lovely time as they set off this weekend for the Hotel Miramonti in the skiing resort of Tonale, Italy.

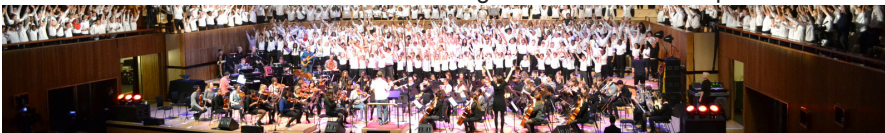
We look forward to hearing about their daily exploits on the slopes and the apres ski activities that have been organised for them.

The weather forecast looks good and there is snow predicted to fall on Saturday for perfect skiing conditions.



Wandsworth Music Service Apring Concert

On Tuesday 28 March Wandsworth Music Service showcased an evening of performances from their instrumental groups and choirs at the Royal Festival Hall on the Southbank. Lily Scott Phillips (9T7), Joshua Craig (9T2), Kim Trainor (11T3) and Linden Mercurius (11T1) all performed with their orchestras and exhibited a high level of skill and musicianship. The Performing Arts department are very proud of the students achievements and are looking forward to their next performances!



Star Badge Winners Cinema



Randomly selected students from Years 7-9, who are holders of a star badge awarded from house points, were treated to a special film showing of, 'The Secret Life of Pets'. This was a special treat for their hard work.

A relaxed and pleasant time was had by all as they sat comfortably to enjoy this captivating animated film.

Message for Parents/Carers

Can we please ask for your assistance in supporting the Academy in maintaining positive relationships with our local community. It has been brought to our attention by a local resident that some parents/carers are using the military housing road, Coldstream Gardens, to park whilst waiting to pick up students at the end of the day. This is a restricted parking area for residents only, and marked signs clearly state this at the entrance to the estate. Please can we ask that parents/carers who are using this road as a pick up point to make alternative arrangements in future. We appreciate your support in this matter.

Sixth Form Study Leave

We have reviewed the dates we had in place for study leave and have made a few changes as follows:

Year 12 - last day of teaching is Wednesday 10 May (study leave commences the following day).

Year 12 will come into the Academy for a 'return after AS' briefing on Friday 16 June and then Year 12 lessons will recommence on Monday 19 June.

Year 13 - last day of teaching is Thursday 18 May. Year 13, including IB students will have their leavers' presentation from noon-1pm in the LRC1 on Friday 19 May.

In the meantime keep up the good work, study hard and do well in your exams.

Rowers Club

Rowers are now back on the water on Tuesday afternoons, after finishing their winter fitness sessions. Everyone is relieved to have finished the gruelling gym sessions and to have the Putney/Thames landscape surrounding them again, especially now that there is sunshine.

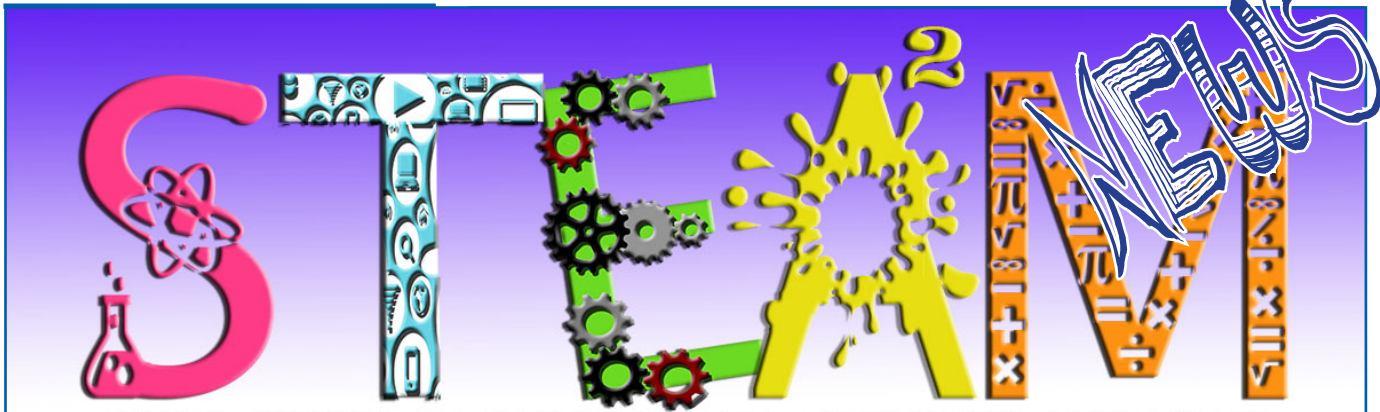
Thank you to all the staff for their help in keeping this program going especially to Maintenance and Network support who have supported us in setting up the rowing machines. If students are interested in joining the programme, please contact Miss Dowson. See you on the water after Easter.



Wandsworth Para Football Tournament

Arriving as champions, this year's Ashcroft All Stars were eager to achieve similar feats. Alas, the odds were stacked against them – the training session they were meant to have was cancelled, the competition was, on average, made up of older students than themselves and their idea of healthy snacks to increase their endurance was crisps and Lucozade!

Despite these difficulties, Ashcroft put on a valiant display, notching up victories against Garratt Park, Oak lodge and Southfields B! Overall the team finished 3rd taking the bronze medal. Congratulations to Kyi Macfarlane 8T3, Mati Koba 8T6, Sydney Sanderson 8T6, Conor Doherty 9T2, George Parolalista 9T6 and Alfie Hearn 9T7



NEW CLUB ROTATION

2016-2017

Year Group	Current Project Rotation	Teacher	Room
7	Super Structures	Mr O'Sullivan	C208
8	The Anatomy of Film	Mr Hearn	D305
9	Pin-Hole Camera	Miss Griffiths & Miss Haviland	E110

**1:20pm on Tuesdays in the rooms allocated above.
 Each project rotation will be for 4 weeks and you will then switch.
 Please see Ms Khan in Science to collect your lunch passes!**



A great deal has been happening in STEAM Club this week as the current project rotations come to an end with some grand finales! STEAMmies have been absolutely impressive with their enthusiasm and engagement throughout!

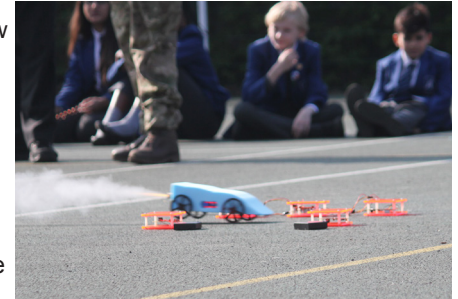
Steam Rockets

Special STEAM Club Praise: The STEAM Club's rocket powered cars were tested this week in the Key Stage 4 playground, by trained Army personnel who used rocket fuel and sensors to calculate the speed of the rocket cars. This ATA STEAM finale session was STEAM-azing!

This event forms part of a national competition called the Bloodhound SSC, and now that our data has been generated, we are eager to find out if any of our rocket cars have made it through to the national heats – the winning prize is a trip to South Africa to visit Bloodhound SSC!

A special thank you to Mr Morrissey who ran the Rocket Cars Project with STEAM Club and organised this afternoon's visit by the Army to test the rocket cars. Fingers crossed for ATA's STEAM Club – full STEAM ahead!

However, there can only be two winning spots in the ATA STEAM finale and these belong to: 1st place – Sanskriti Mamgain 8T6 (Endeavour) – speed: 33.5 mph – house points earned = 100 and 2nd place – Roberts Janson 7T1 (Discovery) – speed: 33.0 mph – house points earned = 50



Steam Clubs finished their last lunchtime session this week

Mrs Aldred-Hall's Textile Rockets Club – the STEAMmies completed their Textiles Rockets and fitted their LEDs. Great effort by all!

Ms Niklekaj's Cooking Club – The STEAMmies made oreo cake for their last session of cooking. Again, really impressive as chefs. From smashing the biscuits, melting the chocolate, to cleaning and putting things away, they all worked well as a team. Well done!

Mr Mensah's Explaining Mysteries with Science Club - The STEAMmies had a lot of fun having a kinaesthetic approach to understanding static electricity, electromagnetism and density. They took turns to have a go at using the Van der graff generator and were able to explain why it made their hair stand up. They also observed that different gases give off different coloured light when they absorb energy. Amaar was very good at clearly explaining this. Additionally, they observed the deflection of electrons in a magnetic and students were able to link this to the phenomenon of aurora borealis. Superb in answering and asking high order questions!



In Mr Revelant's Maths of Language Club – the STEAMmies worked through more difficult Code Breaking activities around the mysterious Vigenère Cipher and won a lot of House Points. It has been a real pleasure to have these amazing linguists in this club and they were both fast and enthusiastic! A special congratulations to the Girls Team (Safa, Karen and Eszter) who won the final competition!



Tournament of Minds

After 6 weeks of intense competition, the STEAM Club's Tournament of Minds house competition came to an exciting close with its grand finale today.

The challenge brief: "It is the year 2050 and Earth is overpopulated with restricted living space. Toy manufacturers must be more inventive and resourceful by using recycled materials. Your brief is to create a Pack-Away toy that must be entertaining and consist of at least 5 independent pieces when fitted together. Your toy may be powered by a battery, but this may not exceed 9 volts."

Participating students gave up their lunchtimes and evenings to design and create a toy fit for purpose which impressed our guest judge, Mr Roberts, for their confidence and articulation, as well as carefully thought out budgeting and marketing of their products.

It is through their enthusiasm and commitment to this competition that made it truly enjoyable and so very valuable as an enrichment experience. They worked hard for 6 weeks and produced fabulous toys out of recycled materials, showing off true "STEAM" skills!

In first place for their 'Helmet' toy was Luca Wilson, Amaar Zafar and Krisztian Hunter in 9T5 from Challenge House. The main materials they used were cardboard, paper, plastic, recycled games console, recycled batteries, wires, ropes and fabrics. This toy was the overall WINNER and it was no surprise! A light up helmet with a hand-strap-gun that lights up also, to go with a special superheroes theme (event its own advert!). So much detail and thought went into creating this toy that it should keep the children of 2050 occupied for ages with imaginative fun, indeed!

1st place



2nd place



3rd place




WHO?
Sonam Choden
10T6

NOMINATED BY:
Miss Coccia

TEXTILES

WHY?
For consistently achieving tasks, applying practical knowledge to design development and being supportive of her peers.

20 House Points




WHO?
Negin Biria
10T5

NOMINATED BY:
Mr Morrissey

ENGINEERING

WHY?
Excellent attitude in class.
Great enthusiasm and determined to produce high quality coursework.

20 House Points



WHO?
Janu Nallapperuma
10T5

NOMINATED BY:
Miss Bailey

FOOD TECHNOLOGY

WHY?
All around good egg-very quietly getting on with his work-excellent Term 3 result as well as fantastic class responses, demonstrating excellent understanding-he is an absolute pleasure!

20 House Points



WHO?
Patryk Dudkiewicz
11T2

NOMINATED BY:
Miss Aldred-Hall

PRODUCT DESIGN

WHY?
For attending catch up sessions to produce an excellent well made and designed lamp for his GCSE coursework.

20 House Points




Just a selection of the fantastic DT: Textiles products made by GCSE students so far this year.



WEEK 5 MATHS CHALLENGES

KS3

MATHS CHALLENGE



Q1

If two typists can type two pages in two minutes...

...how many typists will it take to type eighteen pages in six minutes?



Use the **green** slips to submit your solutions in the post-box in the Maths corridor by Tuesday 18th April (break time).

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

Well done to everyone who solved the Week 4 challenges

The winners are:

KS3 problem: Abduwahab Moalin 7T7

KS4 problem: Omar Nawiwala 11TA

KS5 problem: Marcus Ahmed 12IB1

Winners will be given their badges after Easter.

Problems for Week 5 are here for you to start thinking about. Make sure you get involved! You have until after Easter to answer Week 5 problems so we are expecting loads of entries!

Here are the solutions to the Week 4 challenges.

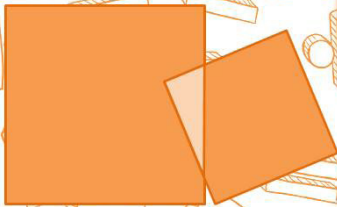
KS4

MATHS CHALLENGE



Q1

Squares with edges of 2cm and 3cm overlap as shown



What is the difference between the areas of the two darker orange parts?

Use the **orange** slips to submit your solutions in the post-box in the Maths corridor by Tuesday 18th April (break time).

KS3

WEEK 4 SOLUTIONS



Q1

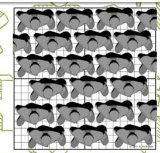
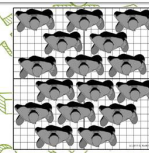
Floor plan = 908m²
Stage (12%): (10% = 90.8 2% = 18.16) = 108.96m²
Standing: (908 - 108.96) = 799.04m²

Q2

Let's assume we can get 4 people occupy 1 metre squared. That's about 3200 people. Way more than could actually fit!

4 people per square metre

5 people per square metre



KS4

NUMERACY CHALLENGE



Q1

884,429 words, 37 plays
That's 23,903 words per play!

Q2

$\frac{14}{37}$ were comedies *

Q3

Using an estimate of 20,000 words per play that's 300,000 words.

COMEDIES	TRAGEDIES	HISTORIES
Alf's Well That Ends Well	Antony and Cleopatra	Henry IV, Part One
As You Like It	Coriolanus	Henry IV, Part Two
The Comedy of Errors	Cymbeline	Henry V
Love's Labour's Lost	Hamlet	Henry VI, Part One
Measure for Measure	Julius Caesar	Henry VI, Part Two
The Merchant of Venice	King Lear	Henry VI, Part Three
The Merry Wives of Windsor	Macbeth	Henry VIII
A Midsummer Night's Dream	Othello	King John
Much Ado about Nothing	Romeo and Juliet	Richard II
Pericles, Prince of Tyre	Timon of Athens	Richard III
The Taming of the Shrew	Titus Andronicus	
The Tempest	Troilus and Cressida	
Twelfth Night		
	The Two Gentlemen of Verona	

KS5

MATHS CHALLENGE



Q1

What is the first square number in the sequence:

1, 11, 111, 1111, ...?

1 ² = 1 x 1 = 1
2 ² = 2 x 2 = 4
3 ² = 3 x 3 = 9
4 ² = 4 x 4 = 16
5 ² = 5 x 5 = 25
6 ² = 6 x 6 = 36
7 ² = 7 x 7 = 49
8 ² = 8 x 8 = 64
9 ² = 9 x 9 = 81
10 ² = 10 x 10 = 100
11 ² = 11 x 11 = 121
12 ² = 12 x 12 = 144

Are there any more square numbers in the sequence?

Use the **red** slips to submit your solutions in the post-box in the Maths corridor by Tuesday 18th April (break time).

KS5

WEEK 4 SOLUTIONS



The 23rd of April 1564 was indeed a Thursday!

$$w = ? \quad d = 23 \quad c = 64 \quad y = 15 \quad m = 2$$

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

$$w = (23 + (2.6(2) - 0.2) + 15 + \frac{15}{4} - \frac{64}{4} - 2(64)) \bmod 7$$

$$w = (-65.25) \bmod 7$$

$$w = -2.25$$

Sunday is 0, going back 2.25 days from Sunday then Shakespeare was born

some time on Thursday 23rd April 1564

(Assumes that the number value assigned to each day is the limit to when that day ends, e.g. Sunday 0 is w < 1, so takes -1.5 to -2)

Here's the winning solution from Melissa in 12T7

Year 11 Easter Revision

Just a reminder about our revision programme for the Easter Holidays which we expect all Year 11 students to attend (Science and Maths are by invite). The activities will run from 9am to 4pm, after which time the students will be free to leave.

We have uploaded the details on showmyhomework and on our website under the Years 7-11/Year 11 tab but please also find the programme opposite.

With ten weeks of teaching now left, the Easter revision activities are crucial. The study sessions will focus on course work, targeted tuition and exam practice. Subject teachers will work with students; target any areas of their course the students are unsure of; help to improve the quality of work and build confidence. Previous revision sessions have been very successful, and these activities will be even more focused.

Students will be able to leave the academy when they are finished each day, and they will not be expected to wear school uniform - however, they will be expected to be dressed appropriately.

	03.04.17	04.04.17	05.04.17	06.04.17	07.04.17
9am to 11am	Chemistry (triple students) Physical Geography Product Design	French Human Geography	Physics triple students and Additional Science	History (paper 3) A*/A	PE RS Exam Skills A/A*
11am to 1pm	Chemistry (triple students) Physical Geography Music Product Design	French Human Geography History Paper 1 C/B	Physics triple students and Additional Science RS	History (paper 3) B/C Geography Skills A*/	PE RS Exam Skills C/B
2pm to 4pm	Music	Core Science History Paper 1 A/A*		Geography Skills C/B	
Staff	KBR, PRA, ACH, SMU, DGO	PKA, JHE, LDS, JHC	LSA, LAR, LDS	BCO and JHE	VWA, LSA
Rooms	F204 - Music C113 and C109 - DT C210 - Science	D309 and D310 - French AA- Geography C210 - Science	AA, C201 and C208 - Science	AA - Geography C301 - History	C301 - PE AA- RS
	10.04.17	11.04.17	12.04.17	13.04.17	14.04.17
9am to 11am	Maths	Art History (paper 2) A*/A	English	English	
11am to 1pm	Maths	Art History (paper 2) B-C	English	Art	
2pm to 4pm	Maths	Art Business	Art	Art	
Staff	MST, JST, VNI	KGR, APA, CEP, SHD, CMO	IDU, LHE, SPA, RMC, KGR, APA, CEP	LAH, KGR, APA, CEP	
Rooms	E207, E213 - Maths	E110 and E109 - Art AA - History C301 - Business	AA - English, D201 - English E110 and E109 - Art	AA - English, D201 - English E110 and E109 - Art	



	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 & Vegetable Pie with New Potatoes Vegetable Curry with Tandoori Chicken	Fish Pie Stuffed Pepper	Chicken Fajita Macaroni Cheese	Roast Pork and Roast Potatoes Vegetable Pie	Fish and Chips Goats Cheese Tart	
2	Chicken Curry with Rice Jacket Potato	Pasta King Jacket Potato	Pizza Jacket Potato	Pasta King Jacket Potato	Chicken Joe's Wrap Jacket Potato	
3	Green Bean Curry with Rice Jacket Potato	Baby Carrots and Salad	Peas and Sweetcorn	Carrots and Cabbage	Salad and Peas	
4	Vegetable Soup	Tomato and Basil Soup	Spicy Bean Soup	Leek and Potato Soup		
5	Salad Bar (small bowl with multi choice)	Salad Bar (small bowl with multi choice)	Salad Bar (small bowl with multi choice)	Salad Bar (small bowl with multi choice)	Salad Bar (small bowl with multi choice)	
6	Any sandwich (max price £1.50)	Any sandwich (max price £1.50)	Any sandwich (max price £1.50)	Any sandwich (max price £1.50)	Any sandwich (max price £1.50)	
7	Bread & Butter Pudding and Custard	Pear Upside Down Cake and Custard	Chocolate and Orange Cake with Chocolate Sauce	Banana Bread and Custard		
8	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	Fresh Fruit 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 11/9 — 1.05 2nd sitting Year 10 — 1.15 3rd sitting Year 7 — 1.25 4th sitting Year 8 — 1.35