

ALTRINCHAM GRAMMAR SCHOOL FOR BOYS



ANNUAL REVIEW 2018-19

OUT OF THIS WORLD ACHIEVERS

Every year we celebrate the incredible achievements of our students here at AGSB. This year some of the achievements are quite simply 'Out of this World'

Name	Achievement
Aadil Naeem	Diana Award - AGSB PINK Cancer Team
Aayan Siddiqui	Won three trophies in 18/19 season with Hale United
Aayn Khurshed	Diana Award - AGSB PINK Cancer Team
Adi Chidambaram	Magistrates' mock trial competition
Aitzaz Anywar	Gold medalist in Taekwondo competition
Aiyush Gupta	Instructables finalist
Alejandro Bradley Martinez	Tower Run for The Christie
Alex Volkovoy	Qualified for National Cross Country, UKMT Maths Olympiad, Swimming Nationals Finals
Alex Buncall	Scored 2 goals in an important game for title chasing Timperley FC
Ali Albeldawi	Magistrates' mock trial competition
Angus Gilcrest	National Hockey Finalist
Anton Bhaumik	Co-founder of the first Eco-garden at AGSB
Arnav Gadekar	Co-founder of the first Eco-garden at AGSB
Arthur Tazaki-Quayle	10th Place in Vocab Express National Championships for Polish
Aryan Issar	Diana Award - AGSB PINK Prevent Breast Cancer Team
Ayan Naqvi	Selected for Cheshire District Cricket Course
Ben Lee	County Golf Player
Ben Martin	ESU Mace debating competition
Ben Robinson	England Hockey Team
Ben Shaw	Football Team won Timperley and District Cup
Bilal Sheraz	Diana Award - AGSB PINK Cancer Team
Burak Ayan	Diana Award - AGSB PINK Cancer Team
Charlie Cooper	Bronze Crest Award. Distinction Grade 1 Saxophone.
Cormac Farrell	Winning Football Timperley District Cup, Finalist
Danny Chen	County Badminton
Danylo Szlachetko Blackburn	Great Britain U19 American Football
David Rosof-Williams	History & Politics Society Committee
Ed Loveland	National side in Lacrosse
Edward Richardson	Diana Award - AGSB PINK Cancer, History & Politics Society
Eesah Amin	ESU Churchill public speaking Regional Finalist
Ethan Morris	History & Politics Society Committee
Farees Abdul Manan	Diana Award - AGSB PINK Cancer Team
Flynn-Barosa Derbyshire	Played John Darling in the Echo Arena's Peter Pan
George Thornicroft	Qualified for England Dance Championship
George Wright	Magistrates' mock trial competition
Gleb Vinnychenko	Shine Awards National Champion
Hamza Zeb	History & Politics Society Committee
Hamza Bin-Majid	History & Politics Society Committee
Harry Aston	Magistrates' mock trial competition
Harvey Payne	Diana Award - AGSB PINK Cancer Team
Hugo Scherzer-Facchini	County tennis team
Isaac Lawson	Bronze medal in Welsh Nationals in Karate
Jacob Cooper	Running 5km for Cancer Research
Jacob Roden	Reached Cross Country National Finals, Won Football Trafford Cup, Greater Manchester Football Finalist
James Lees	1st Place German Spelling Bee regional finals- through to national finals
James Mazzarello	School football captain, Won Trafford Cup, Finalist for Manchester Cup
James Valeyly	England Hockey Team
Jamie Lennon-Butler	NCBF Gold Swing Band
Jamie Ross	Great Britain U23 Hockey
Jay Baxendell	Performed in MTS's Les Miserables
Jaydon Su	Swim Camp Manchester Aquatics
	School National Hockey Finals - 4th Place
	Passed Grade 3 Piano

Kaushik Tumula	Passed Orange Belt Karate assessment
Laurie Madden	ESU Performing Shakespeare Regional Winner
Mahima Mohottala	3rd Place in Vocab Express National Championships for Latin
Matt Armstrong	County Cricket
Matt Curry	ESU Churchill public speaking Regional Finalist
Matt Ellis	History & Politics Society Committee
Matthew Millward	Gained a place at the RNCM (Royal Northern College of Music)
	Merit Grade 6 Violin. Merit Grade 1
	Magistrates' mock trial competition
	Skiing badges
	Violin Diploma
	ESU Mace debating competition
	Diana Award - AGSB PINK Cancer Team
	U17's Badminton Champion Singles and Doubles
	History & Politics Society Committee
	England Hockey Team
	County Cricket
	History & Politics Society Committee
	School hockey team U14s National Finals - 4th Place
	Co-founder of the first Eco-garden at AGSB
	1st Place French Spelling Bee regional finals
	Distinction in Intermediate Maths Olympiad for UKMT
	Selected for Cheshire Cricket Club
	Selected for AGSB Hockey team
	Won AGSB Art Competition
	Magistrates' mock trial competition
	Selected for AGSB Cricket team
	ESU Churchill public speaking Regional Finalist
	Karate Representative
	5th Place Spanish Spelling Bee regional finals
	E Sports National Finalist
	Peterhouse College Cambridge Essay Competition
	History & Politics Society Committee
	Ran for Sale Harriers at Indoor Athletics International Competition
	Distinction in Grade 6 guitar
	Long-serving Gardening Club member; helped to create the first eco-garden; UKMT Stage 2.
	Magistrates' mock trial competition
	Distinction in Intermediate Maths Olympiad for UKMT
	Magistrates' mock trial competition
	Diana Award - Chad's Challenges / Junior Chad's Challenges
	founder
	Magistrates' mock trial competition
	England U16 Hockey Team
	Magistrates' mock trial competition
	Magistrates' mock trial competition
	Crest Silver Award
	Exhibited artwork in Hale
	National Finalist in Film Awards
	Playing Rugby for AGSB
	U18's Sale Sharks Rugby
	History & Politics Society Committee
	Rejoined PE at AGSB
	E Sports National Finalist
	Magistrates' mock trial competition
	9th Place in Vocab Express National Championships for Hebrew
	Helped raise nearly £5000 for the Asian Food Sale
	Advanced to Brown/White belt in Karate
	Advanced to Blue belt in Karate
Max Bayliss-Reeve	
Nick Menger	
Mithylan Ganeshwaran	
Mo Jafar	
Mohammad Hashmi	
Neil Bhabuta	
Nick Race	
Nikash Henshaw	
Nugith Jayawarna	
Oli Paterson	
Oliver Hatton	
Phillip Morris	
Piyush Kumar	
Pranav Velevan	
Rahul Palaninathan	
Ravi Hillary	
Remy Mohindra	
Rohan Parmar	
Sabeeh Rehman	
Sai Vaddhiredy	
Salman Ahmed	
Sam Lopes	
Sami Rehman	
Sammy Breingan	
Shahan Saif	
Shishir Sonni	
Sihath Fernando	
Soroush Heydari	
Tanay Patel	
Ted Graves	
Tom Coates	
Tom Donnachie	
Vishal Arun	
Will Aloul	
Will Draper	
Will Nicholson	
Will Oliver	
Xander Gilmartin	
Yaser Halim	
Yehia Hussein	
Yunus Ikram	
Zayan Koussa	
Zephin Jiji	

CONTENTS

4 ASPIRATION, ACHIEVEMENT & PROGRESS

5 OPPORTUNITY

6 LIFT OFF

10 MISSION ACCOMPLISHED

11 LANDING PARTY

12 OUT OF THIS WORLD

14 ON YOUR MARKS....

15 SPACE FLIGHT TODAY

16 THE YEAR IN ENGLISH

20 A.J HARTLEY VISIT

21 THIS YEAR IN R&P

22 MANY MOONS AGO

24 ASTRALIS DREAMS

26 THIS YEAR IN GEOGRAPHY

28 DESIGN & TECHNOLOGY

30 TOOLMAKING COMPETITION

32 ART GALLERY

34 THE WHOLE WORLD IS WATCHING

36 ONATTI THEATRE COMPANY

38 MFL SPELLING BEE

39 SIXTH FORM FUNDRAISING

40 JUNIOR CHAD'S CHALLENGES

42 DIANA AWARD HOLDERS

43 BLETCHLEY PARK TRIP

44 NATIONAL MATHS AWARD

46 YEAR 8 SCIENCE POSTERS

48 GEOLOGY PRIZE WINNERS

49 CLIMATE CHANGE

50 ASTRONOMY CLUB

52 A LEVEL BIOLOGY LECTURES

53 SOUND IN SPACE

56 TO THE MOON - 2019

58 SPACED OUT

60 FOOTBALL

62 HOCKEY

63 BASKETBALL

63 TABLE TENNIS

64 RUGBY

66 OLD ALT'S DINNER

68 A TRIBUTE

70 OLD BOYS VS 1st XI

71 SIXTH FORM LEAVERS

75 STAFF LIST 2018-19

ASPIRATION, ACHIEVEMENT & PROGRESS

It is now 50 years since human beings stepped foot on another planetary body for the first time. It was on July 20th, 1969 when Neil A. Armstrong, Commander of the Apollo 11 mission, climbed down the steps of the Lunar Module and upon reaching the surface uttered these instantly famous words: "That's one small step for a man, one giant leap for mankind." This was a huge achievement for all involved.

In education, words like achievement, aspiration and progress are used frequently. In the context of the first Moon landing, this historic 'achievement' remains the moment of greatness that defined the American century.

The 'aspiration' for the mission was both clear and powerful and it came from the former US president John F. Kennedy in a speech in 1962 where he famously said: "I believe that this Nation should commit itself to achieving the goal, before this decade is out, of landing a man on the moon and returning him safely to earth."

The 'progress' made in terms of space exploration is clear however, this quote from the debut novel of Janet Turpin Myers, resonates particularly strongly: "Everybody knows, a humongous thing happened on Sunday, July 20th, 1969 at exactly 4:17 EDT. The 'Eagle' has landed. Bingo. Just like that. Man became an alien."

As I near the end of my first year as Head Master, I have taken great pride in reading through this publication. Throughout this magazine, it is evident that AGSB is a school that is underpinned by values such as 'aspiration', 'achievement' and 'progress'. As the school year ends it is important to reflect on a year of impressive achievements across the broad range of opportunities available at AGSB. Many thanks to the AGSB Publications Committee for putting together another excellent school review.

Thank you for all your support of the school over this past year. I hope you enjoy a wonderful summer break.

Mr G.A. Wright
Head Master



OPPORTUNITY

I can't believe that my time at AGSB has come to an end – it has gone so quickly and I can still clearly remember my first day and first assembly with Mr Gartside. Over the years I have had many great experiences and opportunities which I would never have had without the support of the school. I have been lucky enough to represent AGSB in several different sports – hockey, football, cricket and golf. As a state school, we have a limited sporting budget so to compete on the national stage in the number of sports we do is testament to the commitment of both the PE staff and pupils. To have reached multiple national finals with the hockey team is something I am enormously proud of. For me personally this year has been particularly memorable, finishing second in the country to Whitgift at the Indoor National Finals, and finally winning a National Title at Lee Valley after four attempts! I know how hard we have worked to achieve this – many early starts and late finishes over the years. I don't think we could have asked for a better ending to our sporting careers at AGSB.

I hope hockey will continue to flourish at AGSB carrying on from where we left off with repeated national success. Sport has also provided me with the opportunity to go on several tours – both cricket and football. My most enjoyable school trip has to be the football tour in Year 9 to Barcelona. Visiting the Nou Camp as well and training at Espagnol's training ground were the highlights. Music has also been a large part of my life at AGSB. I have been lucky enough to take part in several National Concert Band Festivals under the leadership of Mr Myers and in Music for Youth Festivals in the choir led by Miss de Jesus. It has been great to see how music has developed while I've been at school with the new musical theatre group and instrumental lessons becoming part of the curriculum.

I'd like to take this opportunity to thank all the staff at AGSB, particularly my form tutors and subject teachers. Their support and encouragement over the last year, particularly when I have been absent due to hockey commitments, has been fantastic. The Sixth Form Team have also been extremely dedicated in helping us through our two years particularly with UCAS and university advice. However, it is not just the teachers who keep the school running smoothly – the cleaning, catering and administration staff are all valuable members of our school community. It's been a real honour



to be head boy and is something I would never have imagined seven years ago. I have also had a great team of senior prefects and deputies to work with. My seven years at AGSB have been fantastic and I realise what a privilege it is to come here. I will leave with some brilliant memories.

James Mazerelo

LIFT OFF



Name: Graeme Wright
Place of Birth: Newcastle-upon-Tyne
Star Sign: Sagittarius
First Mission:
Working in laundry
Houston we have a problem (most embarrassing moment):
When addressing 300 Year 7 and Year 8 students at the Caen Memorial Museum in Normandy, I walked towards them, slipped on some coca cola and fell right on my backside
Hobbies/Interests:
History, cooking, rugby, cricket, films and music
Most interesting space fact you know:
There are more stars in the universe than grains of sand on all the beaches on Earth. That's at least a billion trillion!
Any hidden talents you'd like to share?
I can shuck 10 oysters in 2 Minutes
What was your "one small step for man, one giant leap for mankind moment"?
Becoming Head Master of Altrincham Grammar School for Boys
Who is your ground control?
My PA, Margaret Brickell



Name: Rosie Hildage
Place of Birth: Wythenshawe
Star Sign: Libra
First Mission:
Sales Assistant at Debenhams when I was 15
Houston we have a problem (most embarrassing moment):
During a cover lesson at a previous school, instead of sitting on the desk chair like any sane individual, I decided that the box at the back of the classroom would be more appropriate. As soon as I perched on the box, it became apparent that said box was completely empty and I fell straight through it
Any hidden talents you'd like to share?
I do a fantastic Gollum impression and a pretty great floss
What was your "one small step for man, one giant leap for mankind moment"?
Tap dancing on the cobbled streets of Coronation Street, dressed as Oliver Twist
Who is your ground control?
Miss Clarke is my go-to person! She is always willing to help and offers fantastic advice



Name: Sarah Chancellor
Place of Birth: Wythenshawe
Star Sign: Aquarius
First Mission:
Sainsbury's - Counter Assistant
Houston we have a problem (most embarrassing moment):
Going to United's training venue wearing a Liverpool scarf
Hobbies/Interests:
Playing hockey, watching sport, doing sport, pottering in my garden, spending time with my family
Any hidden talents you'd like to share?
The missing vowel round in Only Connect
What was your "one small step for man, one giant leap for mankind moment"?
Meeting the Queen - type into Google "Queen, Commonwealth Games hockey", and I make an appearance
Who is your ground control?
Miss McCourt, she is my space rock



Name: Amy Bridgeman
Place of Birth: Wythenshawe
Star Sign: Libra
First Mission:
Working in research at Ilford Photo
Houston we have a problem (most embarrassing moment):
First day as sailing instructor, I forgot to check a bung and nearly sank the boat!
Hobbies/Interests:
Reading, films, going to the gym, walking the dogs in the hills
Most interesting space fact you know:
The sunset on Mars is blue
Any hidden talents you'd like to share?
Cooking and sailing
What was your "one small step for man, one giant leap for mankind moment"?
Finishing a half marathon in a decent time having never been much of a runner
Who is your ground control?
Olivia Frankland



Name: Alison Fitzgerald
Place of Birth: Northallerton
Star Sign: Pisces
First Mission:
Proudly had a paper round for 6 years paying £1.25 for a couple hours on a Sunday morning
Houston we have a problem (most embarrassing moment):
Too many to mention!
Hobbies/Interests:
Love walking, tennis, yoga
Most interesting space fact you know:
There are over 170 million pieces of space debris orbiting the Earth
Who is your ground control?
Mine is Candice, she is so lovely and seems to know everything

LIFT OFF



Name: Lynsey Jackson
Place of Birth: Preston
Star Sign: Pisces
First Mission:
Booths Supermarket - selling assistant
Houston we have a problem (most embarrassing moment):
Falling off the stage during a school play!
Hobbies/Interests:
Going to gigs, listening to music. I also enjoy cooking and baking with my two children
Most interesting space fact you know:
The Moon was once a piece of the Earth
Any hidden talents you'd like to share?
Pretty good at 'Hangman'
What was your "one small step for man, one giant leap for mankind moment"?
Becoming a mum
Who is your ground control?
Jo Lacon



Name: Jen Armstead
Place of Birth: Chatham
Star Sign: Pisces
First Mission:
Paper round, then I was very pleased to work in Millets (the outdoor clothing and equipment shop) at age 16
Houston we have a problem (most embarrassing moment):
Being a contestant on the children's TV game show, Fun House
Hobbies/Interests:
Playing netball, walking
Most interesting space fact you know:
The Apollo astronauts' footprints on the moon will probably stay there for at least 100 million years
Any hidden talents you'd like to share?
I can juggle!
What was your "one small step for man, one giant leap for mankind moment"?
Parenthood
Who is your ground control?
Mr Bromley as head of Geography and Candice



Name: Susan Fozard Pendlebury
Place of Birth: Fitzrovia, London
Star Sign: Aquarius
First Mission:
Cinema usherette when I was a college student
Houston we have a problem (most embarrassing moment):
Coughing and spitting out my brace at a friend's house...it landed on the cheese board
Hobbies/Interests:
Reading crime novels, movies, mythology and of course creating artefacts
Most interesting space fact you know:
It rains diamonds on Saturn and Jupiter, my kind of planets
Any hidden talents you'd like to share?
Cooking and playing pool
What was your "one small step for man, one giant leap for mankind moment"?
Passing my driving test without causing mayhem on the roads of Didsbury or giving the instructor a nervous breakdown
Who is your ground control?
Faye Cooke



Name: George Olney
Place of Birth: Bedford
Star Sign: Libra
First Mission:
Putting up marquees
Houston we have a problem (most embarrassing moment):
Dropped my phone in a portaloos
Hobbies/Interests:
Squash, tennis, board games
Most interesting space fact you know:
NASA spent \$12 billion developing a pen that writes in space
Any hidden talents you'd like to share?
Juggling
What was your "one small step for man, one giant leap for mankind moment"?
Meeting my girlfriend while I was working an awful job in an awful place
Who is your ground control?
Helen Short

MISSION ACCOMPLISHED



Brian O'Flynn 2004-2019

Brian O'Flynn left us at Easter 2019, and left a huge void behind him. Brian had worked at AGSB for many, many years and had taught, coached and managed hundreds and hundreds of pupils. Brian has had a long and illustrious career working at a variety of different schools. Some challenging, some less so. Some as a classroom teacher, some as a member of Senior Leadership staff. One thing has remained a constant in Brian's life... Football. It is this that so many pupils at AGSB have benefited from. Brian has built a football dynasty at AGSB and has been the key cog in the many local, regional and national success' that the AGSB Football teams have enjoyed. Brian's passion for football (and Manchester United) have been the driving force behind such success and I know many pupils have benefited from the thousands of hours he has dedicated to the school.

I know you will all join me in wishing Brian a long and very happy retirement. Brian has been a tremendous colleague, a fantastic teacher and relentlessly successful coach/manager. He will be fondly remembered as a football guru and most importantly, a lovely man!

Thanks for all your hard work and commitment. We look forward to welcoming you back to the sideline as a spectator in future years.

Matthew Soulsby

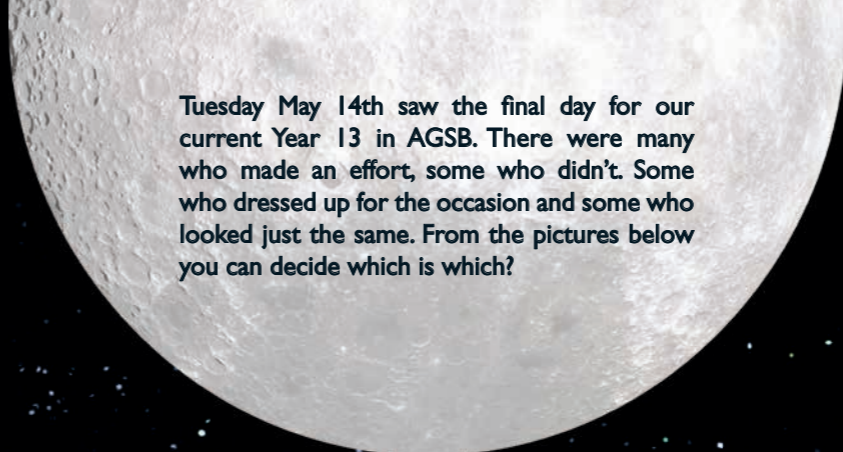


Judith Hagerty 2013-2019

Judith joined us in 2013 after returning to her home town of Stockton Heath and quickly established herself as an excellent teacher of Design and Technology and Business Studies. Over the years, Judith also taught PSHE, Art and Food and Nutrition.

Judith also introduced Yoga classes for the 6th Form enhancement programme which was very well received by both the students and staff. Judith could always be relied upon to support school trips and organise after school and weekend events to enhance the experiences of the boys. Judith quickly became indispensable due to the multiple skills that she could offer in all these different subject areas. When Judith announced that she would be leaving to set up her dream Yoga retreat in Spain, we were thrilled for her but also very disappointed because Judith's expertise, enthusiasm and flexibility would be impossible to replace. We wish Judith great success in her future business ventures.

Robert Baker



Tuesday May 14th saw the final day for our current Year 13 in AGSB. There were many who made an effort, some who didn't. Some who dressed up for the occasion and some who looked just the same. From the pictures below you can decide which is which?

LANDING PARTY



OUT OF THIS WORLD



Rt Hon Nick Gibb MP
Minister of State for School Standards

Sanctuary Buildings, 20 Great Smith Street, Westminster, London, SW1P 3BT
tel: 0370 000 2288 www.education.gov.uk/help/contactus

Mr Graeme Wright
Headteacher
Altrincham Grammar School for Boys
Marlborough Road
Altrincham
WA14 2RS

29 March 2019

Dear Mr Wright

I would like to congratulate you, your staff and pupils on the outstanding progress your pupils are making and your school's high level of EBacc entry in 2018.

Your school's Progress 8 score of 0.9 which is well above the national average, shows that you are amongst the top 3 per cent of state-funded mainstream schools in terms of the progress your pupils make between key stage 2 and the end of key stage 4.

With 76 per cent of your pupils entering the EBacc in 2018, your school is in the top 10 per cent of all state-funded mainstream secondary schools in the country. EBacc subjects provide a sound basis for careers beyond the age of 16 and can also enrich pupils' studies, giving them a broad general knowledge that will enable them to participate in and contribute to society.

We want to ensure that every child, regardless of their background, has the chance to study the EBacc at GCSE, which is why I was delighted to see your results.

Thank you for your work in continuing the drive towards higher academic standards, and congratulations again to you and your staff for your hard work and professionalism.

With best wishes.

Yours sincerely,

Rt Hon Nick Gibb MP
Minister of State for School Standards

Earlier in the year, we were proud to receive a letter from the Rt Honourable Nick Gibb, Minister of State at the Department for Education, highlighting the outstanding achievement of the Year 11 in their GCSE's and all the hard work of the staff here at AGSB.

HAMBLIN EDUCATION TRUST

The Hamblin Education Trust began life in 2015 when Lee Bergin, the Head at what was then North Cestrian Grammar School (a private fee paying school), approached Tim Gartside, then Head at Altrincham Grammar School for Boys, to ask him and AGSB to support North Cestrian's bid to become an academy within the state sector. After four years of sometimes frustrating, often complicated and yet always committed and focused work the two schools are now the founding partners of a Multi Academy Trust with its plans and ambitions firmly rooted in the local area.

The pupil numbers at NCS have grown from the low 200's to a healthy and growing 500+ and a magnificent re-build has taken place at the school. Over £10m has been spent or ear marked for spending within the HET with £2.8m coming in from central government over the next twelve months for further development at AGSB. This is money directly spent, through the Trust, on projects to the benefit of the children of Altrincham.

The board of the HET has always been keen that the day to day running of its schools, their leadership and management, should, as much as possible, be left to each school's governing bodies alongside their head teachers and management teams. Cooperation and sharing of expertise and experience have been encouraged and have proved to be added bonuses across both member schools and are something the Trust is keen to support and promote. The belief within the HET is that each member school should retain its unique identity and not become a clone of any other and yet, at the same time, work together and understand other member schools in the desire and intention of sharing best practice. It is a belief that is central to the future development of the HET.

It has been said on more than one occasion that the running of the trust has felt a little like flying an aircraft while building it. We will always experience the turbulence of tight funding and political whims and changes within education but are positive that we will not only remain airborne but will also continue to gain height. All educational statistics show that we are doing just that. The recognition in 2018 of AGSB as the best non-independent school in the NW of England and the encouraging exam results and overall improvements at NCS are reasons enough to celebrate. Add to those the tremendous news that NCS has been given a 'good' rating on its first Ofsted inspection and we should collectively be very proud of our journey so far and I am filled with confidence that we should enjoy the flight and look forward to new horizons.

Duncan Battman



ON YOUR MARKS....

“We choose to go to the moon in this decade and do the other things, not because they are easy, but because they are hard.” When John F Kennedy uttered these words with characteristic eloquence at Rice University in September 1962, he did so not from a position of strength but one of weakness. Still a relatively new and inexperienced President, he had already been press-ganged by his military chiefs into an ill-advised attempt to overthrow Fidel Castro in Cuba and caught cold by Khrushchev’s construction of a wall in the divided city of Berlin. Kennedy was also coming under increasing pressure from civil rights leaders for his failure to take more decisive action in support of African-Americans. Nonetheless, the young President found words which have inspired generations.

There was good reason to treat Kennedy’s bold exclamation with scepticism in 1962. The young President was already building a reputation for favouring rhetorical style over policy substance. More tellingly, the hard facts suggested that the USA, for all its economic advantages, was losing the Space Race. The USSR had, by this time, scored a series of propaganda victories. First it had shocked the world in October 1957 by launching the first satellite, Sputnik, into space. Then, the following month, it rubbed salt into America’s wounds by launching a second larger satellite, this time carrying a dog named Laika. The US responded by founding the new Explorer programme and establishing NASA. But just as it appeared that the Americans were edging ahead, they suffered another huge setback when the Soviet cosmonaut Yuri Gagarin

became the first man in space aboard Vostok 1 in April 1961. The US was, of course, to have its day. Though Kennedy was not to live to see it, Neil Armstrong’s first steps on the lunar surface on 20 July 1969 provided one of the iconic moments of the twentieth century.

The Moon Landings do of course raise some difficult questions. Was it right to invest so heavily in what critics regarded as a vanity project at a time when America remained such a deeply unequal society? Could the role of the German scientist Wernher von Braun, who had been part of Hitler’s V2 programme in WW2, as head of the Explorer Programme be justified? And was the government’s interest in the Space Programme driven principally by its desire to build missiles capable of carrying nuclear warheads? Whatever the answers to those questions, the scale of the achievements of the Apollo 11 mission cannot be underestimated.

The abiding images of July 1969 may have their roots in superpower rivalry, but the landings remain a crowning achievement of political will, scientific innovation and human endeavour. Armstrong, as well as his compatriots Buzz Aldrin and Michael Collins, are rightfully remembered as trailblazers. For his part, Kennedy provided the words which captured the public imagination and gave hope, and some sense of shared purpose, to an America still struggling to deliver equality and justice for all.

Nick Croxton



SPACEFLIGHT TODAY

This year is the fifty-year anniversary of the first Moon landings. How far have we come since then? Some might argue ‘not a lot’; the ISS and our probes, such as Curiosity and Opportunity, are certainly great achievements, but they’re not the battleship-sized stations or towering alien cities which some expected may happen.

But in technological terms, while we may not have a fully outfitted interplanetary warship and cities built on the surface of every planet or major moon (not including gas giants), we do have enough technology to build large stations and good enough engines to reach the Moon or even Mars for a fraction of the cost. And with the promised Big Falcon Rocket and other mainly re-usable launch systems, we will soon be able to launch more spaceships than ever before. Even the space shuttle had that massive orange fuel tank which burnt up on re-entry; the Falcon series has no parts lost.

And with Bigelow Aerospace’s inflatable habitats and Magna Parva’s in-space carbon 3D printing technology, we can now fit much more equipment onto a launch vehicle. Often, the payload limitations are about aerodynamics and stability rather than mass; the inflatable modules allow more space for fuel and crew, and the 3D printing technology means more fragile – and lighter – fuel tanks can be used. Bigelow Aerospace is planning to send a BEAM habitat to be tested on the ISS. Maybe these large and spacious habitats will, in five or so years, replace the ISS?

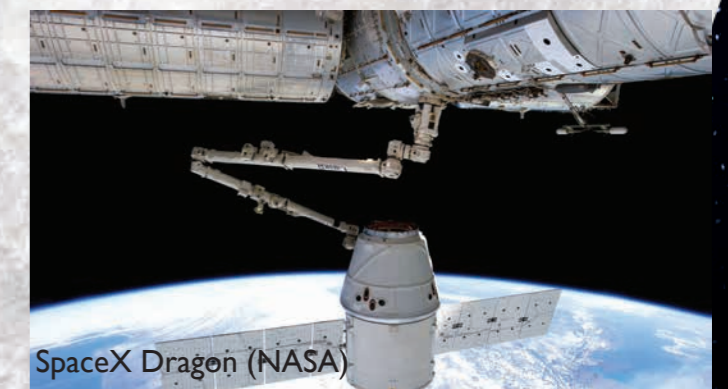
Recently, SpaceX’s Crew Dragon craft has been completing flight tests, and soon it may be ready to fly crew up to the ISS again. For the first time in nearly a decade, an American rocket will deliver crew to the ISS. And the Falcon is much less dangerous than the Shuttle. Larger and more frequent payloads are to be sent to space much more frequently. In fact, the Falcon Heavy could easily send a probe to Mars or even further – the Falcon Heavy can lift 16 tonnes into orbit.

A little further back, China sent a probe for the first ever landing on the far side of the Moon. The reason that a landing on the far side has not been done already – even though we have landed people on the Moon – is the fact that if you cannot communicate with a probe, it is effectively dead and reliant completely on automated programs. So, on the far side of the Moon, you have to place a massive communications network to get full coverage, so you make sure your multimillion pound probe does not crash into the surface and make a nice new crater you can’t even see.

Lastly, the Opportunity rover has finally ended its mission, with a large dust storm covering its solar panels. It lasted over 50 times longer than its expected lifetime of 90 Martian days, and drove for over 45 kilometres compared to the initial planned distance of 600 metres. Opportunity was only able to drive that slowly as the signal delay was so large that if they moved faster, there was a giant risk of driving into a rock. A manned mission would not have this problem though, and neither would aircraft – the only problem with these is the sheer speed needed to lift off the surface. You would need to go several times faster than the speed of sound. Airships may be an option, though you would need an extraordinarily huge balloon to float on Mars.

The future of spaceflight is looking more optimistic than ever before!

Joshodeep Sarma



THE YEAR IN ENGLISH

Magistrates' Mock Trial

This year saw a brilliant new extra-curricular opportunity for students in Years 7-9. The Magistrates' Court Mock Trial competition is an excellent training for would-be lawyers, confident public speakers or anyone with an interest in crime and the law. Congratulations to our rookie legal eagles who won both their cases in the Mock Trial in Warrington in March. A huge thanks to Miss Clark who prepared the boys so effectively for the competition. If you fancy a career as a barrister or solicitor, get in the queue for next year's competition.

Poetry Live

Fantastic trip to the Poetry Live event at the Palace Theatre, Manchester in January with 50 Year 11 English students. They were privileged to hear poets such as Poet Laureate Carol Ann Duffy, the wryly amusing Simon Armitage, Welsh pastoralist Owen Sheers and crowd favourite John Agard. The question and answer session alone was a rare chance to hear about set exam poems from the horse's mouths, metaphorically.

The Chapter

The Chapter is the 'secret society' of Sixth Form English students – a shady gathering of analysts and aesthetes who meet under cover of darkness to read ancient texts and keep the faith. Identities cannot be revealed here but rumour has it that one meeting explored the vocabulary of lesser known emotions such as: "sonder" - the realization that each random passer-by is living a life as vivid and complex as your own; "chrysalism" - the womb-like comfort of being inside when it's raining outside; and kenopsia - the eerie atmosphere of a place that's usually bustling with people but is now abandoned, like a school hallway in the evening. How very appropriate.

Shakespearean Heroes!

Miss Hildage and Miss Clark accompanied three Year 7 students to the regional finals of the ESU Performing Shakespeare Competition at Moreton Hall School, Oswestry. After an enthusiastic warm-up workshop, Ali A and Hasib C took to the stage to perform a lively and well-choreographed dialogue from Romeo and Juliet. However it was Laurie M who stole the show with a stunning performance of Jacques' iconic 'All the World's a Stage' monologue from 'As You Like It.' Laurie stunned the judges, and fought off some fierce competition, to secure a place at the National Final in London where he will perform on a West End stage!



Model Speakers

Wannabe civil servants, diplomats, politicians and activists are in their element in the Model United Nations – a simulated role-play of the real "talking shop" in New York. Congratulations to all our student delegates representing Greece and Guatemala at "MUNCH" Model United Nations event during October at Cheadle Hulme School. Six delegates received Commendations! Congratulations also to our delegations at AltyMUN19 - the Model United Nations mini-conference hosted by AGGS in March. Both delegations - France and Venezuela - contributed fully to the event with Venezuela being awarded Highly Commended delegation. Plaudits too to our delegation at MUNHIGH Model United Nations conference at Manchester High School for Girls on the weekend in January. Representing the Netherlands, our delegation was awarded "Highly Commended Delegation". Huge thanks to all the staff who have helped to supervise these events this year.

Page Turners

The Sixth Form Book Club is a fun and stimulating way to engage in serious wider reading. It's open to all Sixth Formers, whether they study English or not, and brings passionate young people together from AGGS, Sale Grammar, St Ambrose College and AGSB. Titles under discussion this year have included the ultimate 'teen' classic *The Catcher in the Rye* by JD Salinger, Albert Camus' existentialist classic *'The Outsider'*, Anthony Burgess's dystopic vision *"A Clockwork Orange"* and EM Forster's lush comedy of manners *"A Room with a View"*.

Oxbridge Success

It was great to continue our Oxbridge success of last year when three students were accepted to read English with the great news that Alfie Barrishi has an offer to read English at Homerton College, Cambridge. We have extended an invitation to all our English undergraduate "old boys" to return to their alma mater and inspire the current crop of "English Boys".

Speaking Up!

Oracy continues to be a major strength at AGSB. Our boys can give anyone a run for the money whether it's in the fortnightly public speaking competitions, the weekly debating society, or the prestigious national competitions run by the English-Speaking Union. Particular congratulations go to our ESU Churchill Public Speaking team - Eesah Amin, Matty Curry and Sabeeh Rehman - who competed eloquently and courteously at the Regional Finals at The Grange School in Hartford in March. Thanks too to our delegation of six students who attended the Oxford Debating event at Manchester Grammar in January and learnt the art of British Parliamentary Debating, alongside schools from all over the North of England.

Props too to our ESU Mace Debating team who travelled to Merchant Taylors' School in Liverpool in November to compete against Loreto GS and oppose the motion: This house would weight votes such that the younger the voter, the more powerful their vote. Such a privilege it is to watch our boys in full oratorical flight!

THIS YEAR IN ENGLISH

Performing the Bard

The annual national ESU Performing Shakespeare drama competition is a chance for younger boys to try something completely new – learning a Shakespearean speech off by heart and declaiming it in front of judges and their peers. Nerve-racking to the say the least. So, we are enormously proud of our regional heat winners Lawrie, Aziz and Habeeb in Year 7 who performed in the ESU Performing Shakespeare Finalists in April at Moreton Hall School, Shropshire. Lawrie performed a moving monologue from *As You Like It* and Aziz and Habeeb's duologue from *Romeo and Juliet* was utterly priceless.

Spotlight on Theatre

Our theatre experiences this year have been particularly memorable. In September 'King Lear' – a National Theatre Live broadcast at Vue Cinema with Year 12 English Literature students – had distinct Brexit undertones as the beleaguered King (Ian McKellen) looked on hopelessly as his kingdom tears itself apart around him. The National Theatre's production of 'Macbeth' was a gory treat for Year 11 during October at the Lowry. Set after a civil war in the present day, a bullet-proof vest wearing Macbeth was assailed by pole-dancing witches – and many decapitations ensued. Later in the month, something different – the theatre came to us. A theatrical treat for Year 10 students when FRED Travelling Theatre company visited AGSB to perform 'Jekyll and Hyde' in the Coleman Hall. The Q&A with actors and the drama workshops that followed were an invaluable way for students to explore the novel. In November, Sixth Form English students enjoyed a powerful performance of Arthur Miller's *Death of a Salesman* at the Royal Exchange. This taut family drama explored the myth of the American Dream and the tensions between an aging father, haunted by failure, and his wayward sons. Great also to see some of our boys treading the boards in local am-dram. Luke Holland (Y13) and Luka Harrison (Y10) performed great in the Altrincham Creative Theatre School production of *Blood Brothers* in April at the St Peter's Assembly Rooms in Hale.

Graduation Day!

The AGSB English Department is in our "Graduation Year" – the final year of a three-year programme – with the Prince's Teaching Institute, which helps English departments to become as effective and creative as possible. Our annual goals have not just been about raising exam results but rooted in raising the profile of our subject, modelling its transformative power, and offering students a lifelong love of reading, communication and personal expression. Our Graduation Day at Crewe Hall Hotel in July was a day to remember with Ben Crystal, the Shakespeare scholar, offering 'graduates' an inspiring valedictory address. Next year, with our new status as a "leading department" we progress to the Research Programme where we can look to specialise in one key area of our work that relates specifically to our context at AGSB.

Perfect Prefects

We are fortunate to have ten English Prefects who spread the gospel of English wherever they go. This year they have taken part in a new scheme to mentor and coach younger students who find some parts of English difficult. Their enlightenment has helped their charges greatly and the scheme will return next year. Thank you: Ben, Yisrael, Zin, Declan, Ollie, Harry, George, Ed, Mo and Henry.



Special Visitations

This year we introduced the English Society – a series of formal lunchtime talks from guest speakers in the Library focussing on elements of English. We have had a range of fascinating speakers including BBC Sport presenter Dan Roan who talked about routes into journalism, Eleanor Sutton who spoke about her life as an actress, Jack Hutchison who talked about life as a political consultant, and publishing agent Debbie Williams who was chief buyer for Waterstone's during the "Potter" years! Fascinating. Thanks too to Ginny Marson, Librarian, who invited author A.J. Hartley to school to give a funny and inspiring talk to Year 6 in the Coleman Hall during March. His latest two books – 'Cold Bath Street' and 'Monsters in the Mirror' are exciting reads, and his tips for young readers and writers were invaluable.

Read to Succeed

The Annual Year 7 Readathon is a blissfully simple idea – blending reading and charity to enhance literacy and fundraising at the same time. Our Year 7 students enjoyed a peaceful week engrossed in their novels whilst money was raised for a range of charities. Thank you to Mrs Mahony for arranging it all!

Poetry Please

National Poetry Week during October saw a series of assemblies providing a great chance to hear student poetry picks. Sami Rehman read 'A Change of Heart' by Donald Dempsey while Alfie Barrishi declaimed Sonnet 123 'No, Time, thou shalt not boast that I do change'. Poetry was posted all over school with a verse on every door and many teachers sharing their favourite poems with classes. For a few days the corridors rang with rhythm and rhyme.

History on our doorstep

Our English Language A-level students spend so long talking about Dr Johnson's Dictionary, the King James Bible, Chaucer's *Canterbury Tales*, and the Bible that it came as something of a shock to discover that the first editions of many of these texts lie in safekeeping on Manchester's very own Deansgate in the John Ryland's Library. Our two guides during March were enthusiastic postgraduate scholars who shared their love of ancient texts and explained their historical impact with humour and infectious passion.

Martin Davies



A.J. HARTLEY VISIT



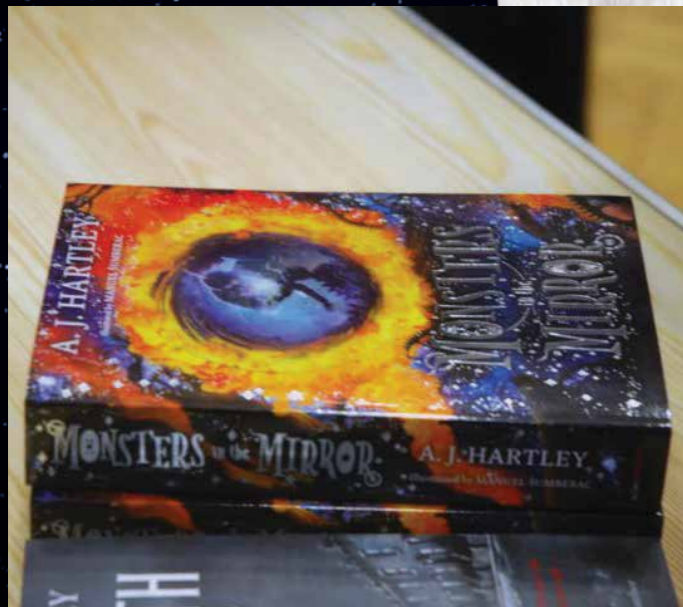
On Wednesday 5th March, A. J. Hartley, a renowned author in the USA, came to visit Year 8 to talk about his career and his new book 'Monsters in the Mirror' which was released the previous week.

The session began at 10 o'clock in the Coleman Hall with background information about A.J. Hartley's life and other books he had written. This was followed by a trailer of 'Monsters in the Mirror' which is available on the UCLan Publishing website.

Then Hartley gave us a talk about the inspiration of the book and what it was based upon. He told us about the characters and the main structure of the story, before reading us an extract around the middle of the book. The book is about a boy called Darwen Arkwright, whose life is drastically changed as he is forced to move from his home in England to Atlanta in the USA. He is left feeling out of place and finding it difficult to fit in at school and seeks solace in an eerie shop full of mirrors. He discovers the ability to step through the mirrors into different worlds beyond normality. Darwen befriends creatures, including Moth, a tiny creature with mechanical wings but soon learns a terrible darkness threatens this new world and only he can save it.

After the talk, we had a Q and A, where we asked him about his inspiration, what his career was like and about his other books. By the end, it was almost break and we had an opportunity to buy his two books, both of which were signed with a message from the author. Mr Hartley was formally thanked for a very interesting and informative talk.

Ibrahim Jamal



THIS YEAR IN R&P

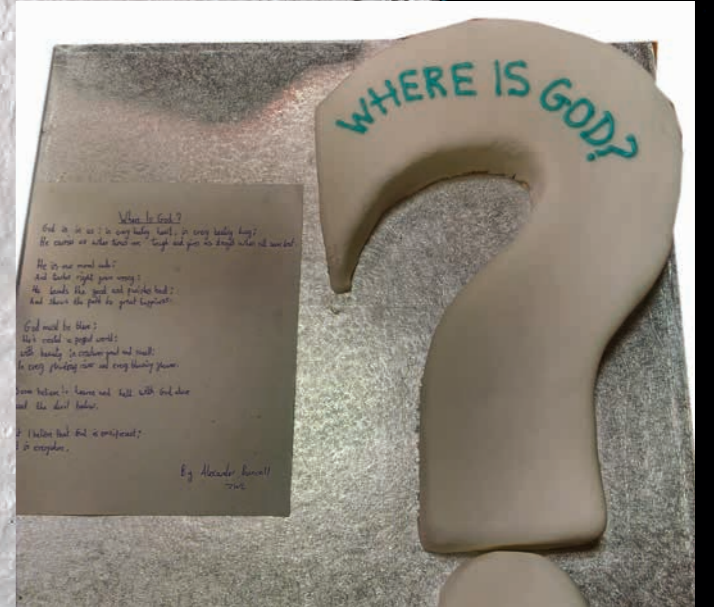
In Philosophy & Ethics as a class, we have studied the topic and big philosophical question "Where is God?" for an assessment. Even though this was a tenacious philosophical question we have come across some different beliefs and ideas on "Where is God?"

An example of one of these pieces by Ravi Hillary follows below. I made a statue of a model of God who is exploding. This is because I believe that god sacrificed himself for the big bang therefore making him exist in every atom and molecule in the known universe. I wrote a page on my beliefs as well as making the model. During this project I really thought about the world around me and delved into what I really thought. It also helped me develop my essay writing skills on the whole, not just for philosophy. Overall our class loved this assessment and were very enthusiastic towards the project.

Ravi Hillary, Aayan Siddiqui and Tom Williams.

In Philosophy & Ethics, we were set a task to create a project that displays where we think God might be. Over the holidays, we produced many different projects to show their beliefs: poems, videos, flap books, cakes, models and artwork. It was a very enjoyable and exciting task, with so many different people coming up with different ideas to each other, which was a great way for us to learn and understand where God could possibly be. People thought that God was in heaven, in the sky, on the sun, everywhere and many more places. This task really helped me learn how amazing and challenging Philosophy & Ethics is, as almost nothing has a correct answer yet there can be so many answers at the same time. This topic has really helped me to challenge my limits in terms of thinking.

Ayan Naqvi



MANY MOONS AGO

It's been another action-packed year in the History and Politics Department both inside and beyond the classroom. This was a busy year for major historical anniversaries, with amongst others, the centenary of the women's enfranchisement and the Armistice at the end of the First World War, the fiftieth anniversary of the assassination of Martin Luther King Junior and the twentieth anniversary of the Good Friday Agreement in Northern Ireland. With so much history in the news, political controversy rife on both sides of the Atlantic and the BBC running its successful 'Icons of the Twentieth Century' series (won by Cheshire's Alan Turing), it's no wonder the subjects are thriving.

The Year 10 GCSE History Trip to Berlin, organised by Ms Maguire and run by Ms Cathcart, was a fantastic success again this year. Forty Students enjoyed an action-packed four days in the German capital in February 2019. Historical highlights included an evening tour of the Reichstag, a visit to the Berlin Wall museum and a sobering trip to Sachsenhausen Concentration Camp. It was not all study. Everyone enjoyed ten pin bowling, although some took it more seriously than others. Fortunately for Mr Hall, luck favoured him nearly as much as it has done his football team this year as he emerged triumphant. The boys were brilliant throughout an even managed to remain calm amidst the presence of a large group of burly Serbian basketball supporters at breakfast.

In November 2018, Ms Maguire organised and ran a visit to Caernarfon Castle in North Wales for our ninety Year 11 GCSE students despite it being a rain and windswept afternoon, the castle retained much of its original imposing presence. Mr Croxton also accompanied a group of our most talented lower school historians to a thought-provoking Holocaust Memorial Event at Sale Waterside.

Later, our aspiring undergraduate historians attended a lecture on the 'Value of History' given by Michael Wood at the Turing's alma matter, the University of Manchester. In Politics, Dr Hepden ran another superb visit to the A Level Politics Conference in

Westminster in December 2018. Our students were amongst 2,000 of their peers from the UK's top state and independent schools and it was fantastic to see several of them courageous enough to ask questions of speakers including Jacob Rees-Mogg, Emily Thornberry, Sir Vince Cable and Nigel Farage.

This year, 84 students across all year groups have developed their oral and advocacy skills by participating in our Debating and Public Speaking competitions. Motions have been enormously varied, encompassing everything from enlightened despotism to modern art. The overall standard has been excellent, with judges consistently impressed by the level of preparation undertaken by participants and the genuine skill they demonstrate in presenting arguments and dealing with challenging questions. Special thanks must go to Ms Clark, Ms Chapman and Sam Lopes (Year 12) for being regular judges.

Nicholas Croxton

This year the History and Politics Society began its two-year Political Concepts project. We started the year looking at liberty and equality from various viewpoints including freedom of speech, the rise of political extremism and the future of liberty in the age of data.

Liberty and equality were also the focuses of our university style reading group this year, ably led by some of our Year 13 students who have a bright future ahead of them if they continue this way. This year we studied a plethora of really interesting and challenging contemporary thinkers who are leading the way in intersectional political thought, whilst linking their ideas to the great tradition of Liberal political philosophy. The quality of discussion in the reading group was very high and it was great to see students from Year 10 and above taking part in critical thinking and questioning.

This year we began our Year 7-8 and 9-11 societies. The Year 9-11 society held meetings once a fortnight and they were brilliant; the future of the society is in safe hands with these wonderful

students. We had inspirational and thought-provoking talks from society members on a vast range of excellent topics including the ideology of political parties, free speech, Israel-Palestine and the nature and role of populism in contemporary politics.

The society also organised a number of talks from guest speakers on the issues around our political concepts, including a very interesting and rather entertaining visit from the Mayor of Trafford and a leading academic expert on UK elections, Dennis Kavanagh, who spoke to us with great insight about the 1983, 1997 and 2010 general elections. We were very lucky to have such a distinguished guest who really inspired the History and Politics students and teachers who attended.

For me, the highlight of the year was a ground-breaking all school conference which explored and tried to understand the rise of

far right extremism. We were lucky enough to host a number of academic guest speakers who told us about their research on the mainstreaming of far right discourse. We had several seminars from Hope not Hate, an anti-fascist organisation, about how far right extremism relates to and feeds off nationalism, misogyny, homophobia and transphobia. I am delighted that our school is taking the lead in exploring and addressing the issue of far right extremism which is now recognised as a considerable threat by the authorities.

The constituents of this year's committee were: Matt Ellis, Ethan Morris, Will Oliver, Oli Paterson, Nick Race, Sami Rehman, Ed Richardson, David Rosof-Williams, Gleb Vinnychenko and George Wright.

Zoe Hepden



ASTRALIS DREAMS

When I first drafted this article, it was a 2,000 word epic, and that only got up to the end of March. Truth is, I'm not an emotionally leaky person until it comes to typing things, I suppose that's part of why I stayed in the Publications Committee for so long.

Last September, I made the choice to propose the esports team to Mr Cummins, despite not being entirely aware of how much of a commitment it would be and what I'd have to endure. Within that first term, we were told there was a lack of equipment capable of running the games we had in mind, a potential charity event was cancelled because we couldn't get hold of a console. Fortunately, in December, our luck began to turn...

TI Study was not closed due to bad behaviour just before Christmas, that was to conceal the fact that new high-spec PCs were being installed. Thanks to my probing skills I had known for a few weeks that these PCs were good enough not only to run the CAD software the Technology department had, but also to run our games at unimaginable speeds.

For anybody who isn't aware, in gaming, the quality of a PC is measured based on the maximum frames per second it can achieve in a game, between 50 and 60 frames per second is the minimum to make the game appear seamless (your eyes cannot detect the frame changing), the new PCs achieve around 200 frames per second while running Rocket League, beating even my home PC.

For a season that was due to start in January, progress seemed slow. When game licences weren't provided, I stepped in to provide three Steam accounts to ensure that me and the other Rocket League players could participate in the upcoming season of the British Esports Championships.

Despite my efforts we didn't play our first game until after the half-term break. Both my Rocket League team and the League of Legends team survived the group stage unbeaten and our focus turned to the single-elimination playoffs. Remarkably, all of us reached the finals of our respective categories.

For a while, it had been my aim to normalise gaming within the school community, the finals were either going to make or break this dream. I installed Streamlabs, an open source live-streaming service onto a few of the PCs in hope of broadcasting the finals to the world, we did, and had over 40 concurrent viewers at peak. The Rocket League game went badly, despite all our preparation we were stomped by Easthampstead Park 4-0. I had to keep my head held high to support the League of Legends team though. Over a legendary three game series, we stole the series 2-1 from the clutches of Wycliffe College.

The victory was bitter-sweet, one of my teams would be attending a show match in Birmingham against the winners of the first season, but I would not due to a family holiday. For the first time ever, I was not able to watch the game in person, it was also the first time they lost.

I shed a few tears before preparing an address to all the players and fans in our Discord server (imagine Skype but with better integration for gaming and no limit on the number of people in chatting). Wesley Choi, Yaser Hafim, Theo Johnson, Leo Chiu and Salman Ahmed are living legends and if there's something I'll never forgive myself for it's not being there when they needed me.



That being said, it has been 3 months and I've had time to move on. I assembled a new team to replace the outgoing Year 13 League of Legends players and recruited some new talent for Rocket League. Season 3 of the British Esports Championships is going on right now, perhaps you'll catch us playing in the finals again on our Twitch channel.

I don't think I say it enough, I'll say it here so everyone knows, there is no such thing as a team without players and management, so thanks to Mr Cummins, David Rosof-Williams, Wesley Choi, Yaser Hafim, Theo Johnson, Leo Chiu, Salman Ahmed, David Chen, Harry Akrell, Euan Murray, Ahmad Kurdy, Xiang Li, Will McMahon, Hong Ni, Wu Gong, Ahmed Mounir, Ayomide Iyenagbor, Dhym Khan, Will Thorpe, Louis Coolican, Max Howarth, Finn O'Rourke, Kia Gerami and last but not least, Hannon Maher.

Tom Hurrell



THIS YEAR IN GEOGRAPHY

Geography Society Lecture

On 25th January 2019, Dr Clay from the University of Manchester provided an insightful and complex lecture on the carbon cycle. It was a fascinating discussion of the biogeochemical cycle, which revolved around the 'building block of life', carbon.

As well as educating us in the process of carbon inputs (i.e. respiration and flatulence) and carbon outputs (i.e. calcite precipitation and dissolution in ocean water), Dr Clay delved into the seemingly perpetual problem of climate change. Further issues that arose surrounded land management and restoration, as well as the probing concern of a stark lack of vital resources in the coming decades.

Dr Clay shared aspects of his research projects he completed in conjunction with Manchester University, including an overseas project in Hong Kong related to soil core collection, with an analysis expected in the next few weeks. Furthermore, we were enlightened on a more local catastrophe's severe impact

on the issues discussed above, namely, the Saddleworth Moor wildfire of late June 2018 which was estimated to release 0.27 Megatons of carbon dioxide into the atmosphere. At first, this statistic was somewhat insignificant to many of us listeners, until we were informed that this is equivalent to the annual emissions of 100,000 average family cars.

In the closing moments of the talk, a recent speech from sixteen-year-old climate activist Greta Thurnbery at the World Economics Forum in Davos, Switzerland was used as a fantastic reference point to the relevance of climate change in everyday life. It was an interesting and inquisitive speech, which I would recommend to all.

On behalf of the school and the Geography department, I would like to thank Dr Clay for coming into school to educate Year 11, 12 and 13 students on a spectacular and critical concept.

Charlie Taylor



A
GEOG SOC
S
B

Geography Conference

The Geography Tectonic Hazard Student conference in Kings House Manchester provided Year 12 Geography students with the chance to extend our knowledge and understanding of hazard mitigation. Professor Debbie Milton opened proceedings and gave a university standard lecture, which helped open our eyes to see the bigger picture of volcanic hazard events. We were encouraged to think beyond the idea of how lava and pyroclastic flows can be destructive but also appreciate that volcanic eruptions could be disastrous without prior planning and changing some cultural traditions. For example, during the Mount Merapi eruption, a form of volcanic eruption mitigation was to employ a religious man to pray and offer sacrifices to appease his God.

Then, following an in-depth analysis of the Christchurch earthquake- explaining how an aftershock could be so deadly in such a developed country- Martin Degg shifted our focus to the emerging world, explaining how in our lifetime we could experience an earthquake with 1 million casualties!

Finally, the famous Professor and television documentary presenter Ian Stewart gave an inspiring lecture and emphasised the importance of studying Geography. He believes with the threat of tectonic hazards and climate change affecting the lives of billions of people, it is up to our generation to provide the solutions to many of the challenges humanity faces. For if we don't, then who will?

Angus Beazley



DESIGN & TECHNOLOGY



Jewellery Storage for his Mum. This was part of the Year 12 coursework. The storage unit interlocks and can be simulated using Fusion 360 software. This is part of a Computer Aided Design task for A Level.

A device that fits onto stiletto shoes to stop them from sinking into the ground. The tubes have been turned by hand on the lathe. Laser cut supports and rubber balls for balance.



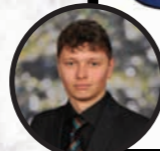
Back support unit for people working at an office desk. The birch wood has been laminated for flexibility and strength. The balls act to massage the back when becoming stiff.

Ankle support for Ice Hockey Players. This is one of the first Textile projects ever created in Design and Technology. The sock fits into the boot and the purple support works with the silicon packing pads.



Emergency Aid Pod with Shelter. Benji focused on war torn countries for his storage unit. Creating an aid unit that would be dropped from a plane with supplies. The pod is loaded with supplies and the cover blades rotate to allow the pod to land like a parachute.

A multifunctional jar opener for his Nan who has arthritis. Made with 3D printing and a resin cast handle. The unit grips the lid to rotate easier.



The intention behind this design is to hold the keys in one place to make it easier to hold. This was designed for a person with Arthritis who finds gripping the key more difficult. The keys can also be stored in the unit like a Swiss Army knife.

Hands Free Book-holder. This is designed for an elderly person. The device holds books open while the user reads. The device is made from teak which is more sustainable and aesthetically pleasing. The unit can also be adjustable for different books.



An adjustable device that allows the user to tighten it to support the back when sitting for long periods of time. The casing is 3D printed with gear ratios calculated and a ratchet system used to tighten the supports.

Watch and Jewellery storage. This is also an example of the Year 12 task. It has been designed to click together and extend outwards. A hardwood finish has been applied to replicate a high quality finish.



The intention behind this design is to hold the keys in one place to make it easier to hold. This was designed for a person with arthritis who finds gripping the key more difficult. The keys can also be stored in the unit like a Swiss Army knife.

An electronic device that will allow children to sleep for a certain amount of time. MDF casing spray painted and hand-made PCB with components inside that calculate the time spent sleeping.



TOOL MAKING COMPETITION



Sometimes we spend more time building a tool for a project, than on the actual project itself! Other times it's just better to build the specific tool we need rather than buy one.

The Build a Tool Contest celebrated "making-stuff-for-making-stuff" and was open to all types of homemade tools.

Mr Binns and I -Aiyush Gupta- were ready to take on this challenge and create something that not only we could use but would also be suitable for others. The process of manufacturing our tool could be divided into three main sections: ideas, designing and manufacturing.

Firstly, we had to think about what product we wanted to end up with, and after some procrastination we came up with our design "AnglEase". After designing our product in 2D design and Fusion 360 we set about the manufacturing process: using a CNC mill, steel block and small bits and pieces (e.g. screws and grubs) we made our vision a reality. Now, the more tedious task; writing up our steps to manufacture. In order to be entered into the contest we had to demonstrate multiple things, one being the ability to write detailed instructions that a large audience could understand. We had to include pictures, videos and all our files and in addition to this we had to answer any questions that anyone had about our tool.

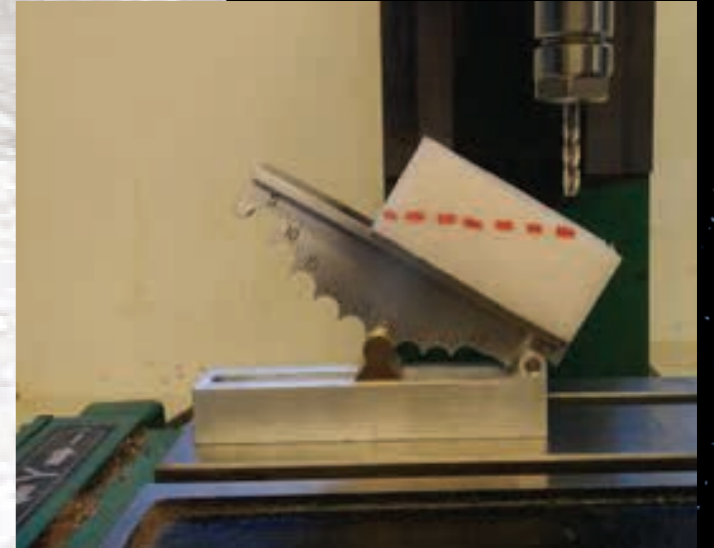
Although we didn't make it to the finals we did receive a three month membership to the organisers website. It was a great experience - being able to make something, with someone who had lots of experience (Mr. Binns), and somewhere where people were willing to help you with any problems you encountered (the AGSB technology department).

We also received lots of positive comments including: "Perfect for any machinist", "I want one!", "Excellent tool", "If I was still machining would want one of these". We even received comments asking if we had "thought of a patent?" What I found

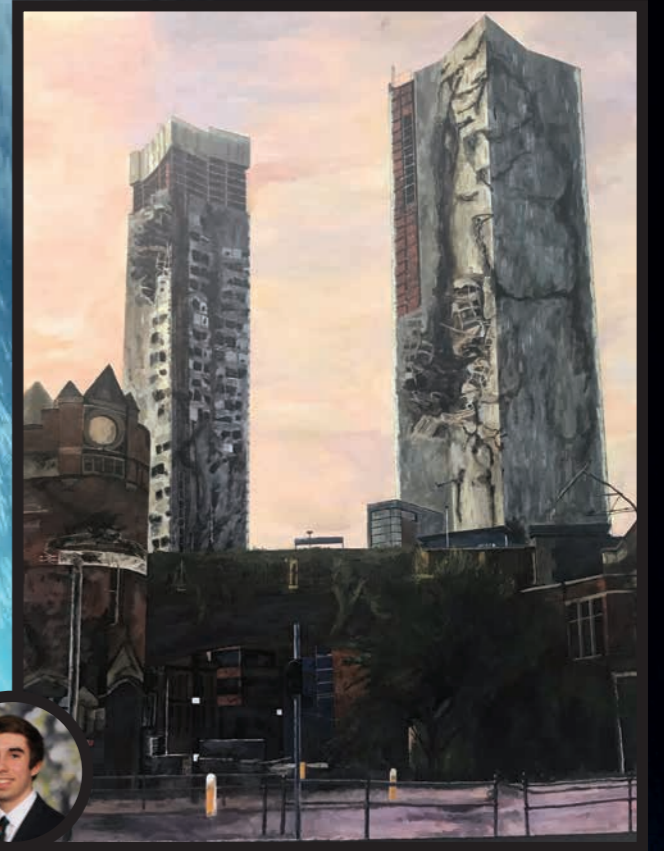
most thrilling about all of this is that people recommended how we could improve. We were even lucky enough that someone 3D printed this and sent us a photo!

I believe that the most important thing I learnt from this project was that: it doesn't matter if you lose, or don't come first but it is the experience that matters. I can't say that when we received the results, I didn't feel dispirited, because I did, but what I did remember was that we were against other skilful adults who had entered similar competitions multiple times. Unfortunately, we don't know how many votes we received but we do know that over fifteen thousand people saw our project and over one hundred people said it was the best project that they had seen!

Aiyush Gupta



ART GALLERY



THE WHOLE WORLD IS WATCHING

Before Christmas, I took part in a two-month film-making course with the British Film Institute and HOME Manchester. Along with 17 other talented individuals from across the region, we wrote, designed, produced, directed and edited a short film entitled Freestyle, which is available below.

The short, which centres around a young woman in a dead-end job deciding to break free of the restraints of normal life and follow her passion for dance, was entered into the annual UK-wide Into Film Awards, and was fortunate enough to be nominated as one of the three finalists for 'Best Film Age 16-19', as well as for the 'Audience Choice Award'. This meant that we had the incredible opportunity to go to the awards show in January at the Odeon Luxe Leicester Square cinema, home to premieres of some of the biggest films including Avengers: Infinity War and Mission: Impossible Fallout. The event was a genuinely surreal experience, with the whole area cordoned off from the public and dozens of award-winning actors and crew arriving to present the show, including the likes of Eddie Redmayne, Lily James, Bill Nighy and Andy Serkis.

Sadly, we didn't win in either of our two nominated categories, but the experience of getting to see some of our work on the big screen while also having the chance to meet up-and-coming creative talent from across the nation was still absolutely unforgettable, and it only gave us the drive to try again as soon as we could...

Which turned out to be sooner than expected, as just a couple of months later, during the Easter holidays, six of us took part in a follow-up course with the BFI and the National Film and Television School. This time it involved a two week intensive residential in Beaconsfield as one of sixty-six participants from across the country, who all shared a passion for film-making, only this time we each had specific roles, with my chosen role being that of the production designer, meaning I was our film's art department and managed the visual look and style of the film. Between us we produced six films in teams of eleven, working sixteen-hour days (and most nights) in order to develop and fashion the script into something tangible. Those two weeks

were some of both the busiest and best times I've had, working alongside so many incredible people and industry professionals, as well as the camera nobody wanted to touch because it was worth over £60,000. It was exhausting but definitely worth it in the end to go from only having seen the film from a set, props and costume design and construction perspective to then seeing the final film on screen in a 400-seater cinema at BFI Southbank in central London.

After the screening, there was a big party and networking session where temporary goodbyes were said, and contacts were exchanged to be able to collaborate again on future projects. I can confirm that there are a number of films currently in the works but that's all I can reveal at this stage. Our film 'Kids', a coming-of-age tale about growing up and teenage relationship issues is currently being prepared for submission to film festivals; follow it on Instagram @bfikids

And finally, a little bit of advice to anyone considering a career in film, whether it be in design, direction or any other department, the best thing I can say is to follow your passion and go for it if it's what you want to do. With continual growth in the UK film industry, it is undeniably a viable career path and the jobs are out there. Furthermore, I couldn't recommend highly enough applying to one of the BFI Film Academies, as I speak from experience when I say that it really can be life changing, and could kickstart the career you always wanted or open the doors to something else you'd never previously considered. And with that all said and done, I think that's a wrap.

Will Aloul

www.youtube.com/watch?v=M2hiFvyLMGc&t=7s

Youtube Freestyle Young Creatives

or scan the link.



ONATTI THEATRE COMPANY



Over three months, AGSB and AGGS French, Spanish and German students had the chance to experience the language they are studying in its purest form, a play! The Onatti Theatre company came to AGSB and put on three separate plays, each spoken entirely in their language.

On the 8th of May, Onatti Productions brought their play 'La Salle Des Énigmes' ('The Room of Riddles') to AGSB for its students as well as those of AGGS to watch. The play was one hour long and totally in French.

The two-person play was performed by characters Jérémy and Marie, who worked together well to engage the audience and be well understood. The play was performed in a way that even without understanding all of the French, it was simple to follow the story, pick up the jokes, and enjoy the experience. It incorporated humour and the use of volunteers to keep the attention of the viewers throughout.

The story itself was relatively simple; the two characters realised that the escape room is for four people, which lead to the first use of volunteers. The room was split in half, so they brought up two members of the audience to help communicate with each other, across the wall that separated the two halves of the room, as well as to help with simple puzzles and codes that required confident use of French.

Overall it was a captivating and exciting alternative to an ordinary lesson that provided valuable communication skills for the students that took part.

Bryce O'Connor

On Friday the 8th of March, Year 10 GCSE German students were invited to watch a theatre piece, along with the Year 10 GCSE German students from AGGS.



The play was set in a girl named Lydia's bedroom and was about getting ready for a date at the cinema, with a boy called Fernando. Lydia's sister, Hannah, was trying to hinder her in getting ready. She was a complete nuisance doing things such as reading out Lydia's diary to the audience and changing her clock, so Lydia was late for her date.

The date didn't go as planned, and Lydia was upset, but she didn't give Hannah the satisfaction of ruining it so she pretended they were going to the Bahamas and that Hannah could come with them if she liked. Hannah was getting excited to go, and then Lydia told her she was lying.

Overall this play was amusing, and it made everyone in the audience laugh many times.

Luke Tomkinson

During the Summer term, students in Year 10 studying Spanish at AGSB and AGGS were lucky enough to experience a play performed in the language, entitled 'El Viejo Saloon' ('the Old Saloon'). It followed a father-daughter duo and their attempt to regain stolen money.

The play, whilst informative and easy to understand, also delivered in comedy. The light-hearted nature of the actors and the use of volunteers sparked cheers of approval from the crowd. The effective use of interaction made the play relatable; simplified Spanish aided our understanding and further progressed our knowledge of the language. It will undoubtedly help improve ingenuity and creativity in both writing and speaking tasks. Overall, this performance was an effective and fun way to help us towards a better result in GCSE Spanish next year.

Jude Wright

A special thanks to Miss Mattison for organising such great events.



MFL SPELLING BEE



Each year, Year 7 students compete against each other in the National MFL championships. The competition opened on the European Day of Languages and is open to students who study French, German and Spanish as a foreign language. This year, 3800 students took part from the North West alone! Each student has 50 words to learn which they may be asked to spell in the bee.

If that wasn't hard enough, they then must spell them using that foreign language's alphabet. And if that wasn't hard enough still, they must pronounce each word and letter perfectly to get the point! Students in Year 7 competed in their class competition in December. Every student in the school all the way up to Year 13 has experienced this nerve-racking experience and two members of Year 13 (Sam Walsh and Mithylan Ganeshwaran) still remember the exciting stress of the National Final in Cambridge!



The top two students from each class go through to the school final, where the students have an additional 50 words to learn. The tough competition was fought in February and the students were achieving between 15-21 points! The winner from each language then went through to the North West regional final, which is held at Trinity school in Manchester.

After some seriously tough contenders, Piyush and Jacob both managed to achieve first place for French and German and have secured a place in the national final at Cambridge University in July. They now have 200 words to learn. We wish them both the best of luck and hope for a repeat of our history of winners!

Rashenda Chapman

SIXTH FORM FUNDRAISING

On 23rd April we held our annual Year 13 Charity Assembly in the Stamford Hall.

It was such a happy event with lots of "thank you's" and applause and was also a great opportunity to inspire Year 13 to continue their good work beyond their school career.

During their time in the Sixth Form, this year group have given their time to support to numerous events inside school and within the local community and have also given their time to volunteer across a wide variety of opportunities including charity shops, residential care homes, local schools, musical events and tutoring, sports events and coaching.

The main fundraisers this year commenced with £381 to Educaid, from Year 13 donations during their UCAS applications. Another one being £3750 to The Christie which was from the Chad's Challenge team. This came from the Chad's Challenges Ladies Evening and numerous other innovative events by Junior Chad's Challenges, one of which being the teacher's Sumo wrestling competition. During the Chad's Challenges Tea Party, we also raised £925 for the Willow Foundation.

The AGSB Pink Team raised £1114 for Prevent Breast Cancer.

This came from many cake sales, charity collections, guess the teddy's name and a 1km static bike ride. In this bike challenge each form selected two members. Although Mr Suthard wasn't allowed to enter the competition, he set the bar with 52 seconds. The fastest student coming very close at 55 seconds was our Head Boy James Mazarelo.

The largest fundraiser of all would be the £4710 to Unity through Charity from the AGSB Islamic Society. This came via the annual Asian Food Sale which took place over two lunchtimes, in which they sold a variety of foods coming from the Middle East and the Indian Subcontinent.

Alejandro Bradley- Martinez in Year 12 raised £670 himself for a Tower Run which was then donated to the Christie.

At the end of the assembly Ramon Davis and Nick Race gave a brief of their charity plans over summer.

Another great bit of news is that we are getting closer to the £100,000 target for the Chadwick Mulholland Hope Tribute Fund currently at £87,696.70.

Gill Williamson and Anish Das



JUNIOR CHAD'S CHALLENGES

This year, Junior Chad's Challenge will celebrate its third anniversary. It was set up with the intention of giving the lower school an official charity committee, facilitating a true emulation of the sixth-formers' exclusive Chad's Challenge. Having started with only seven members, we consider its growth to 35 members a huge triumph.

The initial inspiration behind the sixth-formers' Chad's Challenge was a former AGSB student, Chad Mulholland. Chad was diagnosed with Hodgkin's lymphoma while preparing for his GCSE exams, passing away only two years later. He is remembered not only for his academic vigour, but also for his determination to help others to the greatest extent he could. His memory has not only motivated his fellow sixth-formers to set up Chad's Challenge – with the help of Mrs Williamson and Chad's mum, Michelle – but has gone as far as to inspire me to launch a 'Junior' Chad's Challenge an entire decade later.

Following the footsteps of the original Chad's Challenge members, who organised a fundraiser Tea Party for all AGSB students and staff to enjoy, we have done our best to preserve this theme of school community and collaboration between students and teachers across all our previous events. Our very first was a Staff vs Students Football Match, in which members of AGSB staff went head-to-head with members of the Year 13 to raise money for St Ann's Hospice. We then organised a Teachers' Arm-Wrestling Competition (men's category), fundraising for the Christie. This was shortly followed by a women's category that raised money for Prevent Breast Cancer UK as well as the Christie. We also sold refreshments at the 2018 AGSB Sport's Day, sourced from local businesses across Hale and Altrincham.

Naturally, we have held Bake Sales and Sweet Sales too.

One of our main objectives this year was to innovate new ways of bringing the school community together to fundraise. As well as aiming to make our contributions to causes as substantial as possible, we want to create memories – for students and teachers alike – that those contributions will be attached to and that will not be forgotten. We were very glad that the first new idea on our list – a Teachers' Sumo Wrestling Competition – has been our most successful event to date, raising a total of £700 in just 45 minutes and generating a much larger number of laughs.

Considering that exam season for a lot of year groups began only a few weeks after this event, we did not want to waste any time before moving on to our next project: a Balloon Lottery. Not only did this project raise money for the Christie, but the exclusively pink colour of the balloons also raised awareness for Prevent Breast Cancer. Countless other plans are in the making. To reveal just one of these, JCC aims to put daring teachers to the test in its very own Staff Bush-Tucker Trial, otherwise dubbed 'I'm a Teacher, Get Me Out of Here'.

Something that tends to go quite unnoticed is just how hard the students in this committee work. When recruiting officially for the first time through assembly speeches and presentations last year, the part where I talked about the committee's need for a high level of commitment and proactivity was, for me, a bit of a shot in the dark. I was anxious that this would put off a lot of pupils who would have otherwise joined and added size to the team, even if they attended meetings only every once in a while. But my faith was restored in the first meeting after the



recruitment period. Despite being the only club in the school to hold two sessions per week, the majority of the members of this team have attended every single one of these meetings, all alongside their academic endeavours, bringing the same level of enthusiasm to every meeting. They put in even more time and effort in the lead up to events, each member being pivotal to a high-quality execution. These boys say they joined JCC with the intention of making a difference, and so far, they have gone to very impressive lengths to ensure that they deliver this intention.

In the last three years, JCC has raised around £3,000 for a range of non-profit organisations. We learn new fundraising techniques and strategies with every event, and we hope to break more boundaries. The group is full of innovative minds charged with fresh ideas, and is rejuvenated every year with dynamic and diligent new members. This year, the leadership of the committee will be passed on to the capable hands of Arran Bobin, Year 10.

2019 looks like a bright year for goodwill and generosity. As a committee, we invite all lower school students to not only consider joining Junior Chad's Challenge next year, but also consider volunteering or even organising fundraising events of their own for the Christie NHS Foundation Trust, Prevent Breast Cancer UK, St Ann's Hospice and any other extraordinary cause of their choice over the upcoming summer. In the same way that it has for the past decade, we hope that the spirit of Chad will continue to touch many more generations of Altrinchamians to come for many more decades to come.

Sorous Heydari

DIANA AWARD HOLDERS

Back in 2011 I collated the first AGSB nomination for a Diana Award and since then AGSB has five groups of award winners. It is a complex process and all nominations are thoroughly vetted and judged by a panel from the Diana Award. We have a team trophy and a roll of honour in the Sixth Form Common Room.

This year there have been plenty of new Diana Award Holders:

Soroush Heydari

Soroush joined our Chad's Challenges Team whilst he was still in Year 11, which was unprecedented as it was set up as a Sixth form Team. He ran events whilst making final preparation for his GCSE. He has continued when he moved into our Sixth Form being part of the main team but also founding and running "Junior Chad's Challenges" and continues to be a very successful, enterprising and fun team. And a quote from Michelle Mulholland "Soroush has gone above and beyond what we expect from the boys, by creating a new team whilst he was still in Y11. He is also a key player in the Sixth Form team. I would describe Soroush as one of life's givers, always eager and on hand to help in whichever way possible, with respect, calmness and determination."

AGSB Pink – Prevent Breast Cancer Team

Altrincham Grammar School for Boys School has a long-standing fun and fundraising relationship with the Prevent Breast Cancer Charity who work with internationally renowned scientists to try and prevent breast cancer.

AGSB Pink started back in 2009 when our sixth form students packed bags whilst our barbershop singers entertained shoppers raising £800. To date we have raised approaching £6500 but, more significantly, our teamwork and creativity have had a real impact leading to a greater awareness of Breast Cancer in both Men and Women.

The current team stands out as Diana Award Holders as they have been self-starters who have required much less guidance and support and have delivered on their plans and had a real impact on the School and the local community. The Year 13 award holders are Aryan Issar and Edward Richardson; the Year 12 award holders are Amin Hashmi, Aadil Naeem, Farees Abdul Manan, Burak Ayan, Ayaan Khurshed, Hamza Bin-Majid and Bilal Sheraz.

Gill Williamson and Anish Das

BLETCHLEY PARK TRIP



On 1st February, a group of Year 9 boys embarked on a trip to the Bletchley Park Computing Museum. The trip was organised by Miss Morgan and many teachers from the maths department also went with the boys. The museum contained a variety of different artefacts including computers dating back to the beginning of modern technology. There were also retro games that the boys enjoyed in their break.

Another section was on very old computers where the boys had to program their own game of snake. The school was put on a leader board alongside many other schools with a time scored by myself.

The trip to Bletchley Park museum was a great and very enjoyable experience for the boys. The purpose of the trip was to give the boys an insight into how the technology of modern computers was created. Overall, the boys were very pleased with the trip and we hope it will occur again, in the future.

Mr. Arshad



2019 AWARD HOLDER



42



43



NATIONAL MATHS AWARD

Over the course of three events, I and three other Year 8 students went and participated in the national maths competition - the Young Mathematicians' Awards. The competition had three rounds: two at local explore learning centres then the final, to be held at the prestigious University of Cambridge. We successfully got through the first round against two other neighbouring high schools and later that month participated in the second round competing again with two other high schools.

The first round's questions were based all on dice and using systematic methods to get all possible answers. After the hour of answering the questions, we had to present our answers clearly to the Explore Learning team at the centre. After the challenge, we got the exciting news that we had made it through to the second round of the challenge in a few weeks' time, and we were commemorated on our excellent ability to present answers and amazing teamwork.

The second challenge was like the first, and the question format was similar in that we had three questions with an hour to answer them. We were given, this time, a question sheet about number lines and how, when you fold it, the numbers touching in a row make a certain amount. We explored different ways to make certain amounts and used specific methods to help us



throughout the challenge. After this, we had to present again our answers and our logic to a separate member of the team present at the centre. After the challenge, around Christmas time, we awaited the moment we would get news of how well we did. During one of our Thursday assemblies, an Explore Learning member came in to tell us that we had made it to the final round of the challenge at Cambridge University, on Wednesday 9th January. We were ecstatic with joy and couldn't wait to go to participate against five other schools in the final.

On the 9th January, we went down separately to Cambridge and met at the Centre for Mathematical Sciences. Our timetable told us to meet at around 11 - 11.30 for Meet and Greet then have our buffet lunch. After our large lunch, the primary competitors went to a separate room to the secondary school children, as we went to do our icebreaker for the start of the challenge. During the ice breaker, we could have parents and teachers in the room, however, when the actual challenge started, they all had to leave. The answering time was an hour and a half, including presenting and preparation for the presentation.

For the final, our questions were all about rock cages and how to make different cuboids using different lengths of rods for the cage. Here were the questions:



Q1) State the dimensions, number of rods and volume of all the cages you can make with volumes between 20 and 25 centimetres squared and 40 to 50 rods in total.

Q2) State the volume and the dimensions of all the cuboids you can make with 28 rods.

Q3) If two cuboids had a total of 100 rods to make them, write all the possible dimensions of the cuboids that can have this property.

We managed to do this quickly, as we developed a formula that allowed us to interchangeably work out the number of rods or the total of the three dimensions of the cuboid we intend to find dimensions for. As we finished quicker than the time limit, we checked our answers thoroughly and started to get our final answer sheet ready for presenting. All the time during the competition, every team had a marker with them on the table to mark all the criteria each team had fulfilled. After working out of the problems, we then had a different marker to mark our present, and we were all confident that we had done well.

Soon, we were out of the room we did the challenge in and went back to the lunch hall for biscuits. After our refreshments, we had a tour from people in the university - students and professors - for half an hour, which showed us around the faculty of the Centre for Mathematical Sciences. The tour was followed by a talk from the well-celebrated Bobby Seagull, a very famous mathematician who was a star of the University Challenge. Then, the moment came for the prize giving, and we were all hushed, waiting for the winners to be announced.

To our utmost dismay, the winners were announced as Lawrence Sheriff school but after the competition, we got news that we missed off the chance of being the winners by two points and were told we could add more description to explain our answers on our final answer sheet. Despite this, we were all lifted by the prize goody bag we all left with, filled with Meccano mechanics toys and other lovely prizes for participation. Also, we were each handed a trophy by Bobby Seagull personally to take home as a token of our achievement. Overall, the day was amazing, and we thoroughly enjoyed it despite the narrow miss for first place that gutted us before.

YEAR 8 SCIENCE POSTERS

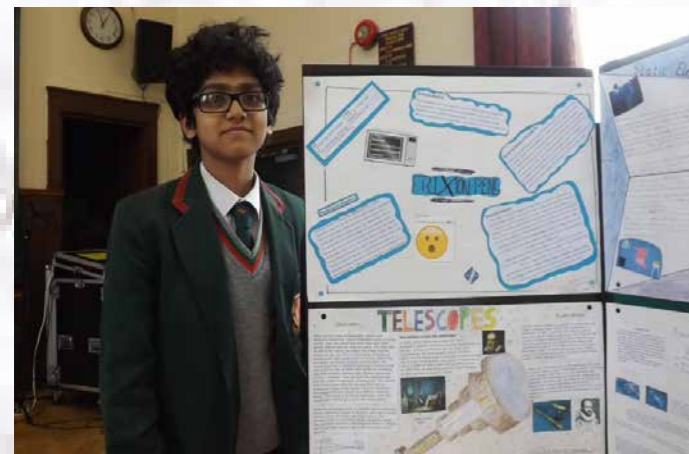
All Year 8 pupils were involved in group Science projects, which were produced in time for British Science Week (8th-17th March). The projects were produced almost entirely through independent learning, with just three Science lessons given over to managing the project, many of the students also took to the science and art rooms at lunchtimes to continue with their projects as well as working on them at home.

Pupils carried out research on a topic of their own choice, which produced a wide variety of projects- from space to 3-D printed organisms. Some of the best projects showcased pupils' knowledge, enthusiasm and creativity in Science.

Thirty pupils received a Bronze Crest Award, their names are listed around this article. Well done to everyone who was involved and put maximum effort into their posters. Some of the posters may be showcased around school soon so please keep an eye out for them.

Thank you to Science teachers of Y8 Groups, Lower School Science Technician Mrs Bridgeman, Mrs Hill, Dr Squire and the Art Department for allowing pupils to use their space and resources.

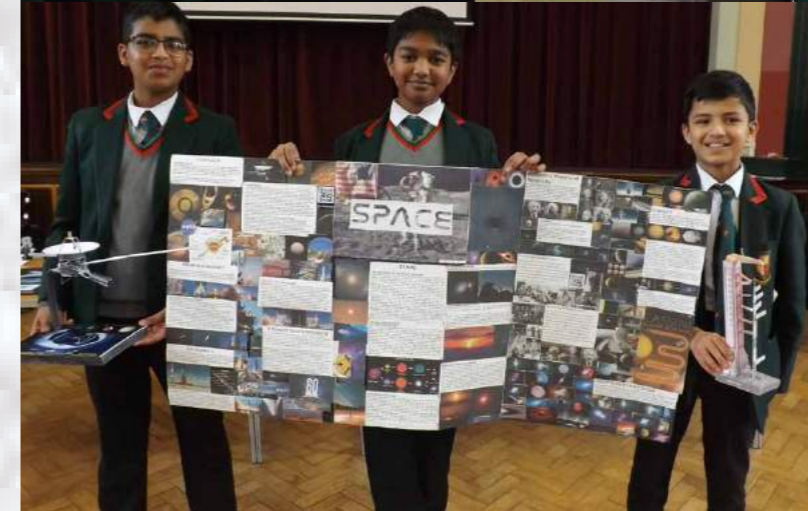
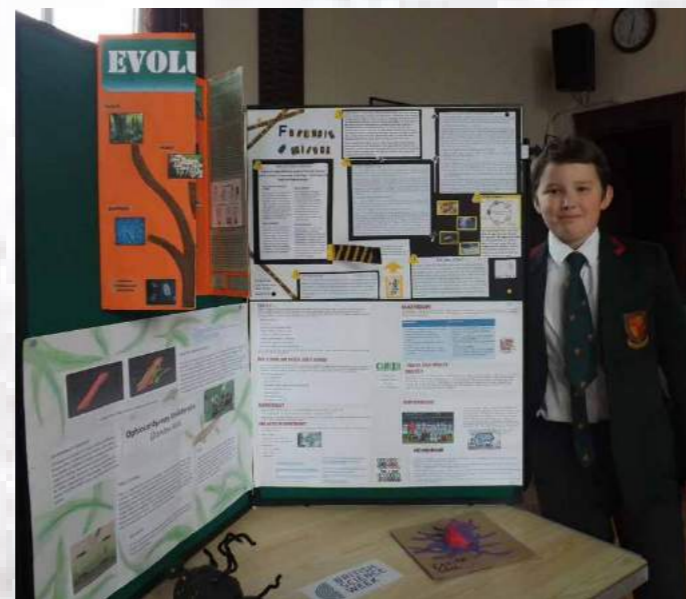
Aiyush Gupta



People who received a CREST award

Caleb Cross
 Jamie Lennon-Butler
 Henry Murphy
 Michael Song
 Rishi Achanta
 Freddie Coles
 Talha Naeem
 Lucas So
 Alexander Volkovoy
 Harvey Payne
 Daniel Bhardwaj
 Amaan Akhtar
 Dhruv Patil
 Daniyal Shakir
 James Dale

James Gill
 Shantnu Sarda
 Max McCreath
 Ali Albeldawi
 Zen Kang
 Burhan Khan
 Daniel Visco
 Mahima Mohottala
 Ibrahim Jamal
 Vikash Janarthanan
 Aiyush Gupta
 Yajat Haldar
 James Lees
 Gautham Ravisankar
 Charlie Cooper



"THE SCIENCE OF TODAY IS TECHNOLOGY OF TOMORROW" - EDWARD TELLER

GEOLOGY PRIZE WINNERS

On the morning of the 28th March, I met up with Abubakar Ali, Ed Farrelly, Nat Khan, Tom Knowles and James Vallely at Piccadilly station. A two and a half hour train journey separated us from London, where we would be competing in the eighth UK School's Geochallenge.

But winning this wasn't going to be an easy feat – we were up against strong competition. A lot of lunchtimes were sacrificed just to get a good poster and presentation going, which had to be both informative and interesting. Fortunately, our chosen topic, Yellowstone, definitely provided us with more than enough information to satisfy both these criteria, and the recent media buzz about a potential Yellowstone eruption definitely brought more interest to this supervolcano.

To take advantage of the media presenting Yellowstone as an apocalyptic force from the bowels of hell, we had included a suitably deafening explosion (sound effect that is) right at the start of the presentation. This certainly was a surprise for a number of people in the audience. Unfortunately, about halfway through the presentation, it was our turn to be surprised – our PowerPoint had very abruptly decided to turn itself off. Absolutely disastrous! However, the PowerPoint did eventually come back on and, to our credit, no one missed any lines throughout this whole ordeal.

After that eventful presentation, we sat back in our seats and watched a few more presentations, including one on the geology of wine! Once all the presentations were finished, we began the notoriously difficult quiz. Armed with the abundant teachings of Doc Rock, we were able to achieve a very respectable score. The competition was now finished, and all we could do now was to wait for the results.

All in all this was a very enjoyable day, with so many inspiring presentations and beautifully designed posters. It was an honour to have been able to win such a competition and we would all like to thank Dr Stephen for organising everything and for his support throughout the whole process.

Yingbo Li



A bust of William Smith- the man credited with creating the first nationwide geological map

CLIMATE CHANGE

Recently, there has been a lot of activism on climate change. From the School Climate Strikes inspired by Greta Thunberg to the Extinction Rebellion which shut down central London, there is a growing awareness that climate change not only is an imminent problem which we cannot simply pass on to the next government but a threat to our current existence.

According to the IPCC (Intergovernmental Panel on Climate Change) report from 2018, we have only until 2030 to halve our emissions and prevent irreversible climate change. Around that point (this is only an estimate) we will not be able to return to our current situation. After that point, much of the world may become uninhabitable desert, coastal cities such as New York, Dubai, and even London will be at risk, and there could be a mass extinction of similar scale to the end of the dinosaurs.

So what can we do, as individuals, to help slow and eventually reverse climate change? Of course much of the emissions in the world are caused by governments and multinational corporations, but we can help slow climate change. And if enough people take up these measures, it will become unprofitable for corporations to continue as they are, and they will become greener.

One thing which can help slow climate change is use of home electricity. If you can persuade your parents to switch to greener and renewable (or nuclear) electricity providers, that would make a lot of difference in terms of your family. It can also support smaller and greener companies and help make fossil fuel companies unprofitable, forcing them to change.

Another thing, often heard on the news, is swapping some meals from meat to vegetarian. The most polluting meats are beef and lamb, and if you have meals without butter, cheese, yoghurt or milk, that will help cut down even more. A lot of meals, especially from different cultures, have vegetarian dishes which are delicious on their own. Having 'meat-free Mondays' can have quite a large impact on climate change!



Finally, there is a burgeoning campaign to get people to write to their MPs and tell them how important they feel climate change is. The MP's office has to reply to your letters. In Altrincham, our MP is Sir Graham Brady, who is the Chairman of the 1922 Committee and therefore has considerable influence among the backbenchers (non-ministerial) MPs. A deluge of letters could make your MP vote for harder measures which will curb climate change faster.

Climate change is the biggest issue facing us today. We need to act now.

Joshodeep Sarma

ASTRONOMY CLUB

This year the extracurricular Astronomy Club has taken their first GCSE in the middle of June. This is the culmination of all the work the club has been doing and it is manifesting itself in this GCSE. It is an early GCSE for all of us, with some people in Y10 and some even in Y9. But the lessons are fun and while there is quite a lot of work, we are only doing Astronomy because we enjoy it.

Over the course of the year we have learnt about things varying from the speed of galaxies to the habitability of exoplanets, the formation of stars to the pros and cons of space probes. These lessons have all been extremely interesting and astronomy covers as wide a range of topics as any other GCSE such as Physics or Chemistry.



M11, Joshodeep Sarma, Liverpool Telescope

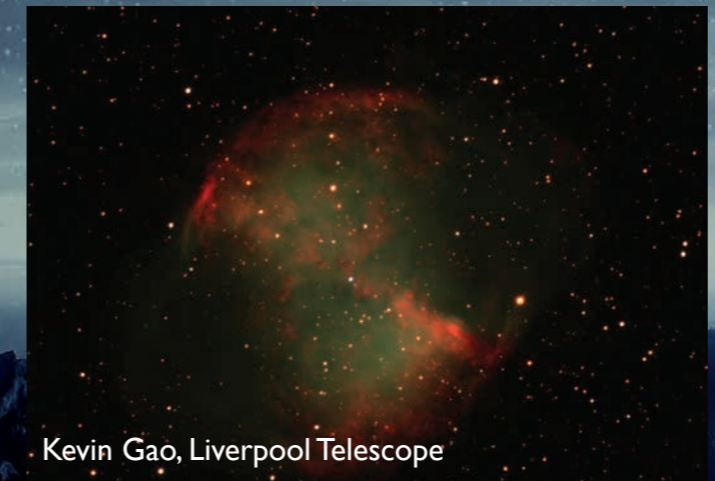


M11, Tom Coates, Liverpool Telescope

As part of the GCSE, we have had to complete two observations as the coursework. One is unaided – without a telescope; the other is aided, with a telescope. The potential range of activities spans calculating the rotational period of the Sun with drawings of sunspots, to taking pictures of the Messier objects, a catalogue of interesting objects such as faraway galaxies and nebulae. Taking pictures is one of the most popular observations, so this year there are a lot of pictures in the magazine!

Another part of the Astronomy Club is the tools we have learnt to use. Over the past two years we have learnt about the planetarium app Stellarium and the National Schools Observatory website, which allows us to access the robotic Liverpool Telescope. The Liverpool Telescope website contains an app called LTIImage, which we have learnt to use to process the files the telescope produces into the wonderful images you can see.

In preparation for our GCSE, we will be doing a lot of revision and have to put a lot of work in. But in my opinion, learning about the wonders of the universe, not taught in any other subject, is worth all the work we have put in. This includes information about the Sun, the Moon, galaxies, stars and much more. These interesting subjects have never been taught about in any other lesson and so the Astronomy Club is something new.



Kevin Gao, Liverpool Telescope

When we joined the club, we were not sure if we were joining something boring or interesting. But this new subject is one of the most interesting I learnt in Year 9, and I encourage you all to always try something new.

Learning about the universe and our place in it has been a wonderful journey of discovery for everyone who has stayed in the Astronomy Club. It would not have been possible without Mrs Gaydhani our teacher. So here I have to thank her and the teaching assistant Miss Brodie.

Joshodeep Sarma.



Apennine Mountains, Shrevas Adhiyaman, Liverpool Telescope



Whirlpool Galaxy, Tom Coates, Liverpool Telescope



This year we have had the pleasure of attending many lectures, two of which in particular were extremely fascinating. The first was delivered by Sir Nicholas Wright, who is a professor and medical doctor. He delivered a lecture to all of the sixth form biologists about colorectal cancer. During this lecture, he eloquently expressed the way in which adenomas and carcinomas were formed and he then went on to talk about the way in which colorectal cancer is treated. As many of us are aware, there currently isn't any way of easily removing malignant cancerous tissue. When covering this topic, he went on to say that due to this property, vast amounts of the large intestine need to be removed, albeit for some cases the colectomy is unfortunately the whole organ; this is because the cancer can spread to other parts of the intestine. This issue is further exacerbated by the fact that some of the cancerous cells will become resistant to the drugs and they will rapidly undergo cell division, resulting in the formation of a large population of resistant cells.

Prior to this lecture, Sir Nicholas Wright was also kind enough to prepare aspiring Oxbridge medics for their rigorous interviews. He asked the students a plethora of thought-provoking questions, which were often a lot more complex than at first glance. There were several biology related questions such as explaining, "why there are only 20 amino acids", as well as more general questions, which included "whether the implementation of private schooling is a good idea."

On Monday 26th November, a small group of sixth formers and I travelled to Whitworth Hall to listen to a series of talks given by some of the nation's most renowned biologists (excluding our teachers). One of these talks was delivered by Dr Jennifer Rohn, a cell biologist from University College London.

Her presentation focussed on highlighting examples of many interesting forms of bacteria which are found in the body and why other harmful bacteria that enter our body stay there despite the copious amounts of antibiotics that we may ingest. She explained that resistance to medicaments has become increasingly prevalent amongst strains. This has had major economic and social implications and Dr Rohn has projected that by 2050, there will be 10 million deaths every year because of this problem. To tackle this issue, scientists are currently investigating the efficacy of bacteriophages against strains of pathogenic bacteria. There were also talks about genetics and neuroscience which were equally interesting. After the talks, we then had an examiner session. I extracted lots of tips, which will pay dividends in my final exams.

On behalf of my fellow students, I would like to thank the biology department for allowing us to further enrich our learning of Biology.

Atputhan Kuralarasu



NATIONAL CONCERT BAND FESTIVAL

The Swing Band and the Concert Band performed at the National Concert Band Festival at the Royal Northern College of Music on Saturday 13th April 2019. To get to this stage both bands had to go through a regional contest to determine who made the national finals. It was an early 8 o'clock start for the Concert Band but it only made us play better! The Concert Band played Iditarod, Fanfare for a Festival and American Elegy, a challenging program which earned them a gold award. The Swing Band played Birdland, For Lena and Lennie, Backrow Politics and Superstition, equally difficult pieces, and they also received a gold award. Fifty-four bands performed over two days of brilliant music. A quote from the adjudicator's report reads: "Excellent momentum and energy from across the band – bravo!" Thank you to Mr Myers for organising the trip, Mrs Wallwork for accompanying us, and all of the boys in both bands for making it such an enjoyable festival to listen to.

Thomas Hill



SOUND IN SPACE

MUSIC FOR YOUTH FESTIVAL

On Friday 8th March, the AGSB Concert Band and Jazz Combo, under the leadership of Mr Myers, travelled to Rochdale Town Hall to perform in the Music for Youth Festival, Europe's largest Youth Music event.

Each year, over 40,000 young people take part in 50 regional festivals throughout the UK, with the opportunity to attend the National Festival in Birmingham in July.

In the afternoon session, there were eight bands and choirs from five North West primary and secondary schools.

The AGSB Concert Band were the first to perform, playing 'Fanfare and Flourishes', followed by 'Iditarod' (music inspired by the Iditarod Trail Sled Dog Race across Alaska).

Two Music Mentors provided feedback on their playing. They were impressed by the good range of instruments in the Concert Band and praised their excellent articulation and intonation, describing them as "an accomplished band". The boys were also commended for the big powerful sound, rhythmic drive and energy of their performances.

Towards the end of the afternoon, the AGSB Jazz Combo played 'Strutting Not Just Sitting' and 'Arts Groove'. The Mentors gave feedback about balance and said that the two pieces were very enjoyable, with good sound quality and "stylish strutting". They particularly complimented the great trumpet, trombone and guitar solos.

Many thanks to Mr Myers and Mrs Wallwork for working so hard to prepare the bands for the Music For Youth Festival and to Rochdale Music Service for hosting the event.



SESSION ORCHESTRA

On 22nd March, the AGSB session orchestra played twenty-two pop songs from the last 60 years to an enthusiastic audience in the Coleman Hall. The session orchestra consisted of a 40-piece instrumental ensemble combined with talented vocalists from the school. These were mainly pupils but also included Julie Stratton, one of the school's Sodexo staff. Some of the pop hits played were Happy, Mr Blue Sky, Rolling in the Deep and We Are Family. This followed two days of practice, each day having over 4 hours of tiring yet enjoyable rehearsals for the concert. However, this was nothing compared to arranging the music, which took over 100 hours.

At the interval delicious meals and cakes were served by the Food and Nutrition Department. There was also a fully licensed bar running throughout the evening.

The fantastic performers received a standing ovation at the end of the concert as well as calls for an encore. There were also many complimentary tweets on the AGSB twitter account (@AGSB_music).

We are hugely grateful to the following people for making the evening such a massive success: Colin Myers (musical director and arrangements), Alex Patel (vocal coach), Elena de Jesus (rehearsal pianist), Sam Myers (orchestral arrangements), the vocalists and the musicians. The next concert will be on 17th January 2020.

Thomas Hill



TO THE MOON - 2019

Faaris Haque, Astronomy Club



Taiyyib Arshad, Astronomy Club



Humans have landed on the Moon six times. Many people thought that these landings would pave the way for regular landings, base infrastructure and eventually, a colony which would be self-sufficient. People like Arthur C. Clarke even imagined a future in which the Earth was destroyed by nuclear war and the only remains of humanity was a lunar colony. But it was not to be. Only recently have we begun to test and build spacecraft able to, in theory, orbit the Moon.

Why, despite all the hopes and dreams and meticulous planning, have we not returned? A large part of that answer must be cost. It cost 1.16 billion dollars in today's money to send a single three-man ship to Low Lunar Orbit, and two people down to the surface for a few hours. That's roughly 390 million dollars for a single person.

But with today's spaceships – even yesterday's, the Space Shuttle – we could launch spacecraft to the Moon for a fraction of the cost. The Shuttle was almost fully re-usable – the orbiter and the two solid rocket boosters were recovered and refurbished, only the large fuel tank which took it almost to orbit burnt up on re-entry – and it could launch massive payloads. Almost all the ISS was launched on board this craft, fitting easily inside the massive bay. Yet nobody has taken this chance to launch things to the Moon.

One problem is the sheer amount of fuel needed to cross from Earth to the Moon. You must accelerate by around 6 km/s to move from the Earth's orbit to the Moon's surface (this includes slowing down. If you do not slow down, you do not need as much fuel, but the downside is that your astronauts merely create a new crater as they plough into the lunar surface). But with new, hyper-efficient engines such as ion drives, which work by throwing particles out by electricity, there is barely any limit on how much fuel you can get. There's plenty for manoeuvring around near the Moon's orbit.

However, the main downside to these ion drives is the thrust they produce. To be precise, the lack of it. A craft as large as the lunar lander would have to be powered by several of these before it could even lift off the surface, even in one-sixth gravity. And the downside of using too many is the amount of electricity needed to power these engines. One idea for this is to use a nuclear reactor, but of course there is no question of using that much radiation that close to humans!

However, with advances in technology, there is an idea to put a space station in lunar orbit. This has the advantage of not having to carry the landers on every trip – saving a lot of weight – and not having to carry enough fuel to slow down by 2 kilometres per second and speed up by the same amount again. However, if we mined water ice and converted that to fuel (liquid hydrogen plus liquid oxygen) we would only have to carry two km/s of fuel. The only problem with this is the problem of putting all the modules into orbit, plus the transfer stages to go between the orbits. An answer to that would be to launch the modules and the transfer stages separately.

But the underlying problem to this is the fact that if we want to maximise fuel, we have to make the modules as light as possible, but if that happens, they won't withstand the crushing g-forces of a launch. This is why people want to make 3-D printers to create fuel tanks and other modules.

However, the real answer to the question is that we haven't tried hard enough. And with tomorrow's technology – production ion drives, reusable rockets, space-worthy 3D printers and lunar water mines – we could turn a moon colony or landing from a laughable dream to tomorrow's reality.

Joshodeep Sarma

Apollo Eagle module, NASA.



Saturn V, NASA



SPACED OUT



Space Log:
The Publications Committee is filled with stars who give their own time to ensure that we can create out of this world magazines on a year by year basis. They have the space to do the work, but their hard work and dedication is an inspiration to see. They work tirelessly for the odd Mars or Galaxy. Let me introduce our crew.

- Flight Commander - 'YC' Williams
- Mission Specialist - 'Oasis' Khawaja
- Captain - 'Leggy' Legg
- Captain - 'Thorni' Thornicroft
- Payload commander - 'Coops' Cooper
- Module Pilot - 'KPT' Taylor
- Historical Data Pilot - 'SIG' Hurrell
- Flight Engineer - 'Cif' Symum
- Flight Engineer - 'Thill' Hill
- Flight Engineer - 'Ibby' Jamal
- Technical Engineer - 'Sushi' Gupta
- Science Pilot - 'JBo' Sarma
- Science Pilot - 'Appi' Kuralarasu
- Staffing Pilot - 'Bishbashdas' Das
- Image Director - 'Nman' Mudaliar
- Image Director - 'Taz' Arshad
- Image Director - 'Guru' Dave
- Flight Engineer - 'Chesnut' Ali

FOOTBALL

YEAR 7

King's Chester School 0-7 AGSB

This friendly was the first match of the season and gave the coaches the chance to understand people's strengths and capabilities. The MOTM (Man of the Match) award was given to M. Elnagi for his impressive hat trick in the opening fixture; a sign of more good things to come.

AGSB 10-0 Middlewich School

Following the good win previously, we completed another comfortable win with M. Mitchell getting the MOTM due to his hat trick including a cool penalty and a powerful finish from long-range.

AGSB 5-1 Westhoughton High (Greater Manchester Cup)

This was our first competitive knock-out match and we didn't seem to show the pressure with the help of our captain B. Stone who was awarded MOTM for his resilient defensive display as we progressed to the next round.

AGSB 8-0 Rossall School

In this match I, K. Iruloh received MOTM for playing well in a new experimental midfield role where we controlled the game and I chipped in with a headed goal.

Oldham Hulme 1-7 AGSB

Returning from a disappointing cup loss we went to Oldham with a good victory to bounce back, taking hold of the game after a 1-1 half-time score. N. Kaariaenen earned MOTM for his endless running abilities and a couple of goals.

AGSB 3-1 Blessed Thomas Holford (Greater Manchester Plate Competition)

We started off this cup competition with a tense match which went down to the wire. Full Time whistle blown, and the scores still tied, the match went to extra time. The team pushed through to score two goals clearly aided by the MOTM T. Williams who made some match-saving saves.

Our Lady's School 0-2 AGSB (Greater Manchester Plate Competition)

In the next round we played away to a strong side and won thanks to a strong defensive performance once the lead was taken and another display of incredible goalkeeping earning T. Williams his second consecutive MOTM.

AGSB 4-2 Wilmslow High School

In this match we completed a great comeback from 2-0 down early on to fight back. I, K. Iruloh earned MOTM for an assist from a free-kick and for starting the attack which led to the 3rd goal which was the first of two in the final minutes. A. Lawson also deserves a mention for his great attacking display from midfield.



60

AGSB 2-1 Wright Robinson (Greater Manchester Plate Competition)

This was the semi-final and the only thing in the way of our first cup final. W. Millar scored the first goal of the game which was soon cancelled out; however the lead was restored when I finished into an open net to put us ahead just before half-time. We kept good possession for the second half and saw the game out.

Kemdi Iruloh

YEAR 8

It has been a tough season for the Year 8 football team, since Year 7 we have changed as a team, with new players, a new coach and new tactics and we feel we have reaped the rewards of our hard work. This season we entered three competitions and have come up against some tough teams: in the Trafford cup we came up against BTH, who we beat in a tense final 1-0 last year.

This year however, the luck appeared to be on their side and they scored from a goal line scramble in the second half of extra time. We also got to the semi-finals of the Manchester Plate where we were knocked out by a strong Standish Side, we were not very pleased with our performance as a team so we were ready to give it our all in the Manchester Cup finals the next week. This was against reigning national champions, Wright Robinson, who had many academy players and had won the national semi-finals 7-2 the week prior. We had to adapt our style of play especially for the game, we knew we were not going to pass them out of the



YEAR 9

game so it was decided that we should drop off until half way when we pressed them and tried to hit them on the counter.

We went in at half time having kept it scoreless. They scored early into the second half but we kept pushing. With minutes to go we got a free kick on the edge of the box. I took it and simply tried to power it at the keeper in the hope that he spilled it. Just that happened and our left winger Seb was able to make it 1-1. However, they got another free kick in the last minute and managed to slip it under the wall and it bobbed over our keeper, Leio's, hands.

The game finished 2-1 but we felt happy with our performance. We had given the National Champions a very good game and on another day it might have fallen for us. Overall, despite the lack of silverware this season I feel it has been a successful one, and we go into Year 9 ready to work hard to make some more finals and hopefully come out of it with a victory.

Jacob Roden

In all honesty, the season started off in the worst way possible as we lost 4-0 and 5-1 in our very first two games vs MGS and Bolton School respectively. However, from there, we won almost all our matches between then and our tour to Barcelona in February. The tour was very successful; the A team won all of their matches and the B team also went unbeaten, drawing one and winning the rest. When we returned from the tour this was about the time the two cups began. In the Greater Manchester Cup, we lost in the Grand Final and in the Trafford Cup, we unfortunately lost in the first round 2-1 to BTH. Overall, the season went well, however if we had done better in the cup competitions, it would have made us even more successful than we already were!

Oliver Barber



61

HOCKEY

U18

This season has been the most successful of all our years at AGSB. In September, our aims were to reach the national finals of both indoor and outdoor competitions ending our time at AGSB on a high. We narrowly lost the indoor final on penalty flicks finishing second in the country but proved that AGSB could compete on the national stage. Since Christmas we have become North West U18 champions and progressed to the national outdoor finals. As I write this we are returning from Lee Valley as the U18 tier three champions, a fantastic way to finish off our hockey experience at AGSB. As a group, we have reached four outdoor national finals finishing 3rd as U16s, and three indoor national finals.

We have all enjoyed playing together as a squad and will take some great memories away with us. On behalf of the squad, I would like to thank all the staff who have helped us along the way- Mr Lowe who started us off, Mrs Ward and Mr Soulsby who has been a fantastic support (even though his first love is rugby!). I would also like to thank our coach Albert Marcano, from Timperley Hockey Club, who, with his tactical genius, has been instrumental in our success over the last two years.

James Mazarelo

U16

Our season has been somewhat disappointing with only one win throughout the season. This was due to a variety of injuries to many key players within the team. However, our win was well deserved against a local rival, Manchester Grammar School with the final score being an impressive 5-0. Our Nationals hopes were ended by a strong opposition from down south who narrowly snatched a victory; the final score 2-1. Next season we hope our long run of defeats will end and the usual AGSB winning streak continues.

James Legg



BASKETBALL

The basketball team has been an exceptional squad this year and after cruising through the South Trafford league in 1st place with wins over Sale High (74-12), Ashton on Mersey (68-17), Wellington High (66-11), BTH (50-10) and Broadoak (54-11), they were drawn at home against St Ambrose in the semi-final to decide the Trafford Champions. A strong performance from Prithvi Sekar at point guard, excellent rebounding from Tom Wallis and a virtuoso display from Alex Erlam at centre saw them win comfortably 45-16 and line up a repeat of last year's final against Stretford High; with the opposition drawn at home.

The final once again was one to savour. The Stretford captain also happened to be England Captain and he produced a fantastic display in the first half, with every point scored raising the roof from the raucous, intimidating home crowd. AGSB found themselves four points down at half time and needing to re-group, focus and try and work out a plan to stop the one man show. A few deep breaths and all the team focussed on their roles and within two minutes of the restart AGSB scored four unanswered baskets and held a small lead. The game then ebbed and flowed with every Stretford point being greeted with a thunderous roar, but every AGSB player stuck to their task and when the final buzzer sounded we had triumphed.

TABLE TENNIS

This year, the Under-18s table tennis team competed in the Butterfly National Schools Team Championships. The team consisted of myself, Karan Josan (Year 12) and two Year 10s, Will Gong and Dong-Nan Shi.

After receiving a bye in the first round, we qualified to the Northwest Finals in Blackburn in January, facing Cardinal Newman's RC College. It was an extremely close tie, with five out of the eight matches going to the deciding set. As a result, the score was 4-4 in matches as well as 17-17 in sets. Thankfully we won by sixteen points due to convincing scores in the matches we won. This saw us through to the North of England Finals, once again at Blackburn. The finals consisted of four teams, with the other teams coming from Bradford, Hull and Leicester. The first two ties of the day saw us winning comfortably against St Mary's College and Uppingham School. This set us up for a final against Bradford Grammar School.

45-36. It was an exceptional victory, taking in to account the quality of the opposition and the big home crowd. What was equally impressive was the humble and gracious way in which the squad took the win; shaking hands with the opposition and congratulating them on a terrific game before having the cup presented and celebrating their fantastic achievement. Notable mention must go to Ayo Ivienagbor who matched the England Captain every step of the game in terms of skill level and big game impact.

Congratulations to all the players who played this season, to get the boys to the final and those who performed so well on the day.

The team: Tom Wallis (C), Theo Donachie, Feran Adaramodu, T J Okpodu, Alex Erlam, Josh Ajit-Jacob, Ali Arif, Prithvi Sekar, Osamwonyi Ero & Ayo Ivienagbor.

Thanks also to the other players who played this season: Zak Dodd, Sabeeh Rehman, Kevin Zhang, Belema Briggs, Nic Tividad, Emy Ojimiwe, Ewan Barrett, Hasanat Ali, James Passey, Seeraj Elmezughi and Mof Adegboye.

Mr Birtwell

Once again, this final was extremely close with another three matches going to a deciding set and after the fixture the match was tied at 4-4. Unfortunately, we lost 17-15 on sets meaning we couldn't qualify for the National Finals in Wolverhampton. Although despondent on the day, we realised that a top eight finish in the country is nothing to be sad about and would like to give a huge thank you to coaches Brian Kean and Adam Thompson as well as Mr Cammack for the fantastic support we received throughout the most successful cup run the team has had for three years!

Kabir Josan



RUGBY

YEAR 8

This year, the Year 8 rugby team have had a great time training together, despite not having won very many matches. Everyone had great fun tackling and scoring some tries throughout the season over the year.

During the season, we beat Manchester Grammar School which meant a lot as they really thrashed us last year, so driving over the line really boosted the team's morale. We have learnt lots of new tactics with Mr Smith, including six-man scrums and the pingu manoeuvre which scored us some tries in our games. Some of the most prolific try scorers are Alfie, Rhys and Joe who have out run the opposition on countless occasions, helping us win most of our games. We then went into the sevens season which is much harder as seven players must cover the whole rugby pitch which requires a lot of running. We had two tournaments in the sevens season and the men of the tournament were Jack and Alfie. Alfie got concussion, but he still didn't want to stop playing, a hero in the eyes of the team. Sadly, we didn't win either of the tournaments, but we came second in one, a joy to many on the team. Everyone was still really happy with the results, beating some strong teams during our season and we have thoroughly enjoyed our time, playing rugby together.

William Cross



YEAR 9

This year was a fantastic year for the Year 9 rugby team. We made immense improvements throughout the season and the rugby we were playing by the end was significantly better compared to the start of the season. Many new players joined this year, which was one of the main factors for our significant improvements.

One notable game and our best performance of the squad was our victory over Audenshaw.

In previous years, Audenshaw had beat us hands down – however, due to our team's determination and Mr Birchall's great coaching, we scraped a victory in a closely fought game.

Overall, this season has been great, and we owe huge thanks to Mr Birchall for his great coaching. We look forward to next season, to further wins, in preparation for our tour around South Africa in 2021.

Bruce Bailey

YEAR 10

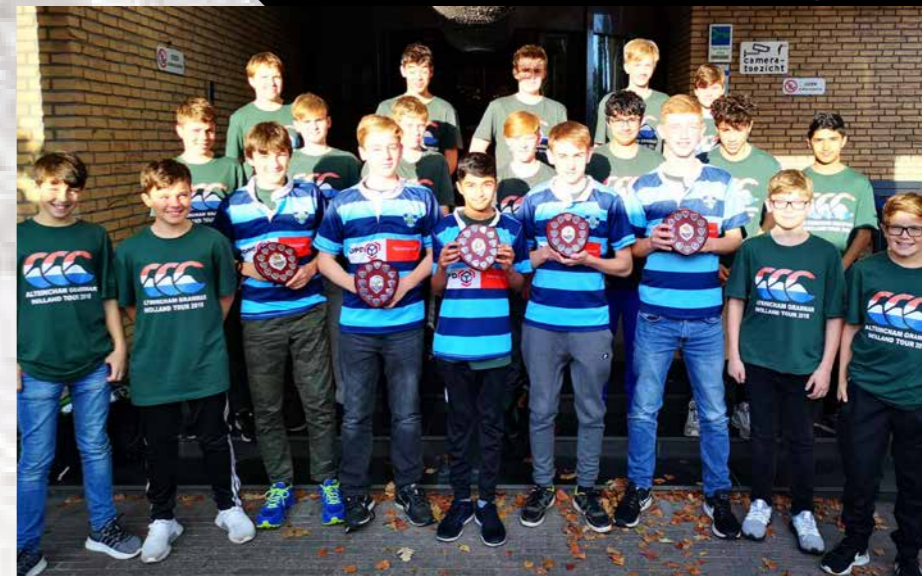
Our last season playing together before progressing to 1st and 2nd team rugby was a special one. An unbeaten season in fifteen a side; it's unheard of. We were incredibly unfortunate to get knocked out of the U15's National Cup to Manchester Grammar School who we drew 5-5 with. A very close game but they were able to scrape an away team victory. Aside from that we excelled as a team throughout the year, improving with each game we played thanks to Mr Rawson, our coach. Our seven's season was short and sweet due to consistently poor British weather. However, the one tournament we participated in, we played some very good rugby beating some tough local teams such as Lymm High School but were unable to beat a very strong St. Ambrose side, so did not progress any further in the tournament. Overall, a very impressive season with a lot of potential for the future as we progress into senior rugby. Many thanks to Mr Rawson for his great coaching throughout the past couple of years.

James Legg

2ND XV

Over the past year, the team has had great success. They played fifteen matches and through hard work, training and dedication, won an impressive nine games; only narrowly being defeated on six occasions. The team was captained by Leo Swarbrick who helped them massively throughout the season and the most impressive player was Belema Briggs. Mr Meakin also played a large role in the achievements made this year.

Awais Khawaja



OLD ALT'S DINNER



On a somewhat damp and breezy evening former pupils were joined by staff and sixth-formers for the annual Reunion Dinner of the Old Alts Association, held at the school. Old friendships renewed and new friendships forged, it was a most enjoyable and memorable evening.

On arrival, guests sampled Dunham Massey Brewing Company beers from the bar (organised by Ashley Cricket Club members) whilst being entertained by an excellent AGSB Jazz Combo.

Sixth-form were also on hand to show guests round the school. This was a night of both new and old. Formal proceedings began with a welcome by new Chair, Christian James and with the now traditional lighting of a candelabrum in memory of former pupil and Classics Master, Reginald Thompson (Buzz). In keeping with a further tradition, the Charles Laver Golf Trophy was presented to Ryan Cammack. In his preliminary remarks, Christian confirmed that the Old Alts Association committee had agreed to fund the replacement of two dilapidated AGSB crests, one outside the main entrance and the other one in the Coleman Hall at a cost of approximately £2500.

Christian introduced the Association's new President, former Chair Colin Bamford. Colin paid tribute to his predecessor, Peter Morton who had died aged ninety-one. Peter, who attended the school from 1938 to 1944, went on to become Headmaster of North Cestrian Grammar School for thirty-three years. He was a most amiable man and is sorely missed. It was good to see a contemporary of Peter's, Hugh Kerridge present at the Reunion Dinner. Hugh had travelled up from Berkhamstead, Hertfordshire where he now lives. Following an excellent meal, Christian introduced our Guest Speaker and third 'new boy' Headmaster Graeme Wright. Graeme has now been in post for seven months and is the ninth Headmaster of AGSB since its foundation in 1914. In his speech the Headmaster recalled conversations he had had with pupils prior to taking up the post. One group of boys told him that the then current Head, Tim Gartside, would be a hard act to follow. It was remarked that succeeding Mr. Gartside could be likened to the prospect



of David Moyes replacing the acclaimed and highly successful Manchester United manager Sir Alex Ferguson.

Graeme had much admiration for the considerable achievements of Tim Gartside and a thunderous round of applause showed appreciation of his sixteen years as Headmaster. Graeme went on to regale us with a brief insight into his life in the Royal Marines. The Headmaster talked about the school and of his vision for future developments at AGSB. He reported not only the outstanding academic results but also the school's prowess in other activities such as sport, drama and music. He spoke of his passion to encourage more pupils from disadvantaged backgrounds to attend the school. He also has plans to reintroduce a School 'house system'. In all, a splendid evening organised so ably once again by Stephen Perrett.

In addition to former pupils, it was good to see so many sixth-formers, and current and retired members of the teaching staff; amongst the latter were Keith Nodding (former Classics Master and Headmaster) and Roger Cleland. Thanks to the sixth-formers who used all manner of means, including threats of possible future unpleasantness, to encourage purchases of raffle tickets. The raffle raised £475. Although sixty guests were present, it is hoped that next year many more former AGSB boys will join us for this most enjoyable Annual Reunion Dinner. Keep an eye on the Old Alts website for details as they are announced. Although attendance was slightly down on last year but that did not detract from the fun, camaraderie and renewed pride in this splendid school, Altrincham Grammar School for Boys.

Larry Bode



A TRIBUTE

SIR GEOFFREY WARDALE, 1919-2017

Sir Geoffrey Wardale attended Altrincham Grammar School for Boys in the 1930's. He was an outstanding scholar and won a Scholarship to Queen's College, Cambridge in 1938. After completing his degree there he went on to Army Service, and in 1942 joined the Ministry of War Transport Department as Temporary Assistant Principal. He was promoted to Private Secretary to the Permanent Secretary in 1946.

He continued to work in the Ministry of Transport (later the Department of the Environment), and was appointed Under Secretary in 1966. In 1974 he was awarded the title of Commander of the Order of the Bath (C.B.) in recognition of his work. He was promoted to the position of Second Permanent Secretary in the Department of Environment in 1978. He was made a Knight in 1979 in recognition of his services.

In 1981 he led the Inquiry into the Open Structure of the Civil Service ("The Wardale Report"). He was listed in Who's Who for many years. Sir Geoffrey Wardale lived with his wife, Rosemary, and their family, in Lewes in Sussex for much of his life. He played a significant role in local and regional affairs after retirement from the Civil Service. He was a Member of the Council of the University of Sussex, and was Chairman of Brighton College Council from 1985-90, and was President of the Friends of Lewes Society from 1992-97.

Although he had moved away from the Altrincham area he continued to take an interest in AGSB, and in 1986 he was the Guest Speaker at the Annual Dinner of the Old Altrinchamians. He died in December 2017 at the age of 98.

A.R. Astles (relative of the late Sir Geoffrey Wardale)

PETER MORTON

On February 2nd 2019 St Margaret's Church Altrincham was packed for the Memorial Service to celebrate the life of our late President Peter Morton. The service attended by family, friends, current and former students of North Cestrian Grammar School was led by the Reverend Jerry Sutton. The Old Alts were represented by Association President Colin Bamford and Larry Bode.

We learnt that Peter, a former pupil of Altrincham Grammar School for Boys, had been Headmaster of North Cestrian Grammar School for 33 years (1963 -1996). He followed in the footsteps of Walter Hamblin who had previously been Head of AGSB. In a reflection on his life, Ian Parrott, Chair of the North Cestrian Governors recalled that as Headmaster, Peter Morton described three attributes which he felt were important in the education of his charges. These were Scholarship, Sportsmanship and Manliness. Quite what was meant by Manliness is uncertain. In his reflection on the life of Peter Morton former North Cestrian, Jean Philippe Glaskie recalled how fair-minded Peter was and how he positively promoted and celebrated cultural and religious diversity amongst the pupils of his school. Mr Morton abhorred bullying and pupils were quick to learn that he would not tolerate it.

Peter Morton was a strong disciplinarian and commanded respect from the pupils; apparently a steely stare quelled any inappropriate dissent. He too had a very caring nature, welcoming new pupils at the school gates as they arrived on their first day. Although Peter Morton presided over an all-boys school, he approved of the transition to a co-educational school starting in 2006. This was reflected in the service by a reading by Head girl Sadie Roberts, and a musical offering from year 10 pupil, Elva Lei. A commemorative dinner held at North Cestrian Grammar School followed the service.

OUR NEW PRESIDENT

COLIN BAMFORD



Colin attended AGSB from 1965-1967 and studied English, French and History in the 6th Form. By his own admission he admits that perhaps he did not apply himself as thoroughly to his studies as he should have, describing himself as an academic rebel. At the time in addition to the main subjects boys were required to study a language. Colin chose Latin but soon found himself falling behind. He was grateful to some extra 1:1 tuition provided by Classics Master Reggie (Buzz) Thompson. Colin was perhaps less than attentive and recalls Mr Thompson falling asleep on one occasion. Reggie Thompson, of course, was one of the earliest boys to attend the school and achieved the accolade of 'Victor Ludorum' at the school's Sports Day.

Reggie Thompson was a staunch supporter and President of the Old Altrinchamians', and we remember him each year at the Reunion Dinner in the lighting of the Reginald Thompson Candelabra.

Colin made up for his lack of prowess as an academic, by representing the school on both the Rugby and Badminton teams. Although now extraordinarily old (70 to be exact) the poor soul remains very active at Hale Golf Club and is a keen long distance runner, having completed dozens of 10K and Marathon events.

His other interests include music and it is hard to believe that he used to be a part-time DJ and sported long hair and a beard. He built his own kit. Colin studied Business Studies at Salford University and also gained a postgraduate qualification in Management Studies. He recently retired as an accountant.

The Old Altrinchamians' Committee was delighted to appoint former Chairman Colin Bamford as its new President. Colin had previously served as secretary since 1989 before being appointed Chairman for the past five years. He sends this message: I would like to take this opportunity to say how very honoured I feel to have been invited to be President of the Association. I follow a long line of distinguished gentlemen who have held this Office, and they will be a hard act to follow, especially the most recent, Peter Morton.

Having served just twenty years on the Committee, I am something of a newcomer, because on his appointment, Peter had served for fifty years! Indeed, he went on to serve a further twenty four. The Association is in good heart at the moment, with an enthusiastic Committee, recently strengthened and led by Christian James. We are happy to welcome new Headmaster Mr Graeme Wright to our midst, and I am confident that with his support the Association will go on to face the current challenges.

OLD BOYS VS 1ST XI

On Wednesday 3rd April, AGSB held a rugby and a football match between the 1st XI and the Old Boys. The conditions could not have been better for the contest – a large contrast from last year’s matches which were at times dominated by the wind – and both matches were full of action. In the rugby, the Old Boys powered to a commanding 31-17 win, with the man of the match award going to Tom Quealy. The football match, on the other hand, was a much closer affair with both sides having similar possession of the ball throughout the 90 minutes, however, in the end the Old Boys prevailed coming back from a 6-1 thrashing in last year’s match to winning 2-1 this year. Man of the match was awarded to Niall Butchart.

Kyle Panchal-Taylor



SIXTH FORM LEAVERS

Name	Destination	Course
Adnan Ahmad	University College London	Computer Science
Hassan Ahmed	University of Manchester	Dentistry
Sufyaan Ahmed	University of Plymouth	Dental Surgery
Hashim Ali	Gap Year	
Shafae Ali	Imperial College London	Design Engineering
Alfarook Al-Khaddar	Anglia Ruskin University	Medicine
Max Allanson	University of Nottingham	Civil Engineering
Paul Allen	Lancaster University	Geography (Study Abroad)
Ted Alty	Gap Year	
Joshua Ang	University of Birmingham	Chemical Engineering
Crispin Antony	University of Bristol	Philosophy and Economics
Success Anyanwu	Gap Year	
Akash Aponu	Art Foundation	Art Foundation
Adam Asif	Gap Year	
Will Atkins	University of Leeds	Mechatronics and Robotics
Adam Aziz	Durham University	Economics
Zeerak Aziz	University of Leeds	Geophysical Sciences (International)
Oliver Badger	Gap Year	
Sami Baguneid	University College London	Computer Science
Oliver Ball	Sheffield Hallam University	Architectural Tech
PJ Barker	Gap Year	
Henry Barlow	Loughborough University	Information Technology Management for Business (ITMB)
Max Barnes	Gap Year	
Adam Barrishi	University of Bristol	Medicine
Richard Bee	Gap Year	
Edward Benson	University of Leicester	Banking and Finance
Will Blair	University of Aberdeen	Geology
Jack Blundell	University of Sheffield	Economics
Amir Bohloli	Gap Year	
Edward Boocock	Lancaster University	Business Administration
James Bottomley	Keele University	Marketing and Management
Harvey Bowcock	University of Chester	Business Management
Luke Breedon	Gap Year	
Michael Brennan	Imperial College London	Geophysics with a Year Abroad
Cameron Buchan	University of Nottingham	History
Jonathan Burman	University of Glasgow	Politics (SocSci)
Finbar Carroll	Gap Year	
Rohil Chaddah	University of Warwick	Economics

Patrick Chen	Imperial College London	Computing (Artificial Intelligence)
Hamzah Choudhary	De Montford University	Economics BSc
Alex Chu	University College London	Chemistry with Mathematics
Alex Cockx	University of Manchester	Management (Marketing)
Robert Cooper	Gap Year	
Ben Cottrell	Gap Year	
James Cottrell	Keele University	Accounting and Finance
Lewis Cowen	University of Edinburgh	English and Scottish Literature
Will Crawford	Newcastle University	Geography
Charlie Crouch	Pilot Training	Pilot Training course
Charlie Danby	Cardiff University	Geology
Gideon Daniel	University of Central Lancashire	Medical Sciences (Foundation Entry)
Anas Diab	University of Sheffield	Biomedical Science
Harry Diss	University of Liverpool	Geography
Seth Douglas	University of York	English
Jack Drinkwater	University of Leeds	Chemical Engineering
Alexander Duff	Loughborough University	User Centred Design
John Eddy	University of Sheffield	Economics
Adil Ehsan	University of Salford	Computer Science with Cyber Security
Omar Elhelw	University of Manchester	Medicine
Mattias Ellaby	Durham University	General Engineering
Matthew Fairman	University of Leeds	Journalism
Benjamin Forgacs	Lancaster University	Finance (Industry)
Ben Frahill-Jones	Leeds Beckett University	Business Economics
Daniel Gallagher	University of London	Finance
Jeevan Gandhi	University of Sheffield	Economics
Rahul Geetala	University of Cambridge	Medicine
Benedict Gibson	Gap Year	
Samuel Goldstone	University College London	Politics, Sociology & East European Studies
Ashwath Gopinath	Gap Year	
Alex Gower	Oxford University	Physics (4-year MPhys)
Finn Grosfils	University of Nottingham	Finance, Accounting and Management
Adam Hancock	University of Nottingham	Finance, Accounting and Management
Oliver Harding	Oxford University	Mathematics
George Harper	Oxford University	Philosophy, Politics and Economics
George Harrison	Oxford University	Computer Science
Tom Harrison	Nottingham Trent University	Computer Science
Edward Hartley	Gap Year	
Alex Hiett	University of Plymouth	Biomedical Science
Samuel Hinton	Lancaster University	Finance and Economics (Industry)
David Hollingsworth	University of Leeds	Chemistry with a Year in Industry
James Hope	University of Southampton	Electronic Engineering (4 years)
Billy Horton	University of Portsmouth	Electronic Engineering
James Hughes	Keele University	Geology

George Hughes	University of Cambridge	Economics
Liam Hughes	University of Leeds	Chemical Engineering
Matthew Hughes	Loughborough University	Aeronautical Engineering
Tom Hunt	University of Manchester	Medicine
Ethan Isaacs	University of Leeds	Environment and Business
Jack Isaacs	University of Leeds	Environment and Business
Idris Jacoby	University of Sheffield	Economics
Ishan Jain	University of Cambridge	Medicine
Alex Jones	University of Birmingham	Economics
Christopher Jurkowski	Oxford University	Earth Sciences
Andrew Keown	University of Warwick	Computer Science
Hashim Khan	University of Birmingham	Dentistry
Khizer Khan	University of Sheffield	Medicine
Talha Khan	University of Manchester	Mechanical Engineering
Amman Khawaja	University of Manchester	Pharmacy
Adam King	University of Bristol	International Business Management
Adam Kingsley	University of Bristol	Dentistry
Max Knowles	University of Nottingham	Law
Luke Kwan		Jaguar Land Rover sponsored Degree
Max Landsborough	University of Sheffield	Medicine
Yu Chun Law	University of Manchester	Architecture
Lawrence Lee	University of Bolton	Special Effects Model making for Film and Television
Aron Lipshaw	University of Leeds	Mechanical Engineering
Andrew Liu	Lancaster University	Business Economics (Industry)
Eesaa Longden	University of Nottingham	Medicine
Benjamin Lord	University of Bath	Civil and Architectural Engineering
Isaac Lucas	Durham University	Geology
William Lunt	Oxford University	Biological Sciences
Milo MacDonald	University of Manchester	English Literature
Wasay Malik	Newcastle University	Chemical Engineering
Paolo Manfredi	Newcastle University	Business Accounting and Finance
Danny Marks	University of Warwick	Mathematics
Akshay Matthews	Lancaster University	Management, Politics and International Relations
Patrick McGowan	Gap Year	
James McKinnon	University of Leeds	Mathematics
James Menon	Durham University	Law
Yanis Meziani	Gap Year	
Solomon Mhar	Manchester Metropolitan University	Human Geography
Enzo Miniaci	Swansea University	Materials Science and Engineering
Nazar Mohammed	University of Cambridge	Medicine
Dylan Morris	Durham University	Mathematics
Lavan Navaratnam	Gap Year	
Cameron Nelson	Newcastle University	Geography
Azhaar Niazi	Brunel University	Biomedical Sciences

Christos Nikou
John Norton
Daniel Obeiszadeh
Aidan O'Keeffe
Alex Patel
Liam Paulson
Alexander Phung
Robert Platt
Tej Pradhan
Daniel Racle
Puria Radmard
William Rafferty
Hamza Rana
Max Ranson
Charles Redford
Owen Richards
William Ridge
Luke Rink
Ben Roberts
Erik Robinson
Faiz Salim
Nanda Saravanan
Dylan Scanlan
Harry Sheridan
Israel Shitta
Pavan Sidhu
Sam Smith
Anthony Stratford
Joseph Stroud
Thomas Sutcliffe
Michael Teague
Max Thomson
Carlos Tierney
Finlay Tonner
Adam Ul-Haq
Thomas Watson
Jonathan Welford
Jamie White
Noah Williams
Phil Xiao
Ian Xie
Nathaniel Young
Wenlong Zhao

Leeds Beckett University
Newcastle University
Gap Year
University of Bristol
University of Cambridge
Durham University
Gap Year
Imperial College London
University College London
Loughborough University
University of Cambridge
Newcastle University
Oxford University
University of Chester
Newcastle University
Durham University
Imperial College London
University of Exeter
Lancaster University
University of Leicester
Imperial College London
University of St Andrews
Newcastle University
Gap Year
University of Cambridge
University of Reading
Gap Year
Queen Mary University of London
Queen's University Belfast
Gap Year
University of Exeter
University of Cambridge
Queen Mary University of London
University of Leeds
Gap Year
Imperial College London
University of Manchester
Gap Year
University of York
Gap Year
University of Southampton
Gap Year
University of Cambridge

Business Information Technology
Modern Languages and Business Studies

Aerospace Engineering
Music
Geology

Geology
Medicine
Economics
Engineering
Medicine and Surgery
English Language and Literature
Economics and Business
International Business Management
Geology
Civil Engineering
Natural Sciences
Computer Science
Mathematics
Chemical Engineering
English
Marketing and Management

Mathematics
Architecture

Medicine
English with Creative Writing

Politics and International Relations
English
Economics
Economics

Mechanical Engineering
Modern Language and Business and Management (French)

Electronic Engineering with Music Technology Systems

Mechanical Engineering / Aerospace with Industrial Placement

Medicine

STAFF LIST 2018-19

Mr G Wright	Head Master	
Mr E Hall	Deputy Head Master	Child Protection Officer
Miss C Allen	Teaching Assistant	
Mr R Baker	Technology	Head of Technology & Art
Mrs F Bates	Teaching Assistant	
Mr D Birchall	Maths : PE	
Mr D Birtwell	PE	Head of Year 10
Ms S Blaize	Biology	
Mrs V Brennan	MFL	Head of French
Mr M Bromley	Geography	Head of Geography
Mr R Cammack	PE	Head of Year 9
Mr W Carr	Computing : ICT	Second in SEND Department
Ms A Cathcart	History	Head of Outreach
Mrs S Chancellor	Maths	
Mrs E Chapman	English	Head of English & Library Co-ordinator
Mrs R Chapman	MFL	Head of German
Miss C Clark	English	Second in English Department
Mrs M Clutterbuck	Business Studies : Economics	
Miss F Cooke	Art	
Mrs K Crowther	Biology	Science Community Liaison Coordinator
Mr N Croxton	History : Politics	Head of History; Politics
Mr R Cummins	Maths	Head of Year 12; Head of General Studies/EPQ
Mr M Davies	English	Head of English
Ms E De Jesus	Music	
Mrs J Ding	Chinese	
Ms H Drake	Technology : Art	



Mrs E Eastwell	Geology : Physics	Assistant Head - Assessment (Temporary)
Mr P Ellis	Latin : Classics	
Dr L Evers	Chemistry	Assistant to SENDCo
Mrs M Farrell	Teaching Assistant	
Mr A Flanagan	Chemistry	
Mr A Giffen	Physics	Responsibility for Activities Week
Mr A Gooch	Maths	
Mrs G Gordon	MFL	
Mrs V Gordon	Food and Nutrition	
Mrs J Hagerty	Technology : Business Studies	
Mrs H Haines	English	
Mrs J Harrop	Teaching Assistant	
Mrs T Harvey-Voyce	English : PSE	Deputy Head of Sixth Form
Dr Z Hepden	Philosophy & Ethics : Politics	
Mr M Herrington	Maths	Time-tabler
Miss R Hildage	English	
Mrs S Hill	Chemistry	Head of KS3 Science
Miss E Jackson	Geography	
Mrs L Jarratt	Music	
Mr C Kidd	Biology	Head of Year 11
Mrs E King	Food and Nutrition	
Mrs R Lago Costa	MFL	
Miss K Lee	Art	
Mr T Lowe	Philosophy & Ethics	
Mrs C Maguire	History	
Mrs C Mahony	English	
Dr J Marsden	Chemistry	Higher Education Officer
Ms L Mattison	MFL	Head of Spanish
Mrs B McCann	Maths	Second in Maths Department
Miss J McCourt	Maths	
Mrs H Meadowcroft	MFL	Assistant Head – School Self Evaluation : Head of MFL

Mr S Meakin	PE	
Miss S Morgan	Maths	
Mr T Murray	Business Studies : Economics	Assistant Head; Head of Sixth Form
Mr C Myers	Music	Director of Music
Mrs C Newton	Business Studies : Economics	Head of Business Studies/Economics; Enterprise Educat. Coordinator
Mr B O'Flynn	PE	
Mr R Perkins	Philosophy & Ethics	Head of Philosophy, Ethics & Personal Development
Miss K Potter	Maths	Head of Maths
Mr A Rawson	PE	
Mr C Rawson	Chemistry	Head of Chemistry
Mr G Reeder	Physics	Head of Physics
Mrs L Saunders	Humanities	SENDCo
Mrs H Short	Maths	Admissions/Induction; Head of Year 7; Dep. Child Protection Officer
Mr D Smith	Technology	
Ms L Smith	MFL	
Mr S Smith	Business Studies : Economics	
Mr M Soulsby	PE	Head of PE
Dr S Squire	Physics	Head of Science
Dr J Stedman	English	
Dr K Stephen	Geology : Physics	Head of Geology; ITT Co-ordinator
Dr V Sully	Chemistry	
Mr L Suthard	Physics	
Dr E Thomas	Biology	Assistant Head – Teaching and Learning
Mr J Timmins	ICT : Computing	Head of ICT & Computing; IT Operations, Hamblin Education Trust
Mrs J Wallwork	MFL	
Mrs A Ward	Biology	
Mrs S Weil	Geography	Assistant Head – Curriculum and Assessment
Ms A Welsby	Biology	Head of Biology
Mr A Williams	Technology	SIMS Manager; Publications Officer
Mr P Williams	Geography	



Administration Team	Administrative Assistant
Mrs H Armstrong	Head Master's PA
Mrs M Brickell	Exam and Data Manager
Mrs P Capel	Admissions Assistant
Mrs O Champion	Finance Assistant
Mrs V Carpenter	Exam and Cover Administrator
Mrs B Clift	Specialisms Administrator
Mrs A Coale	Resources Technician
Miss S Embleton	KS3/KS4 and Exam Administrator
Mrs P Howell	Chief Finance Operating Officer : Hamblin Education Trust
Mrs J Jackson	Attendance Administrator
Mrs A Jolly	School Business Support Manager
Mrs J Lacon	Finance Assistant
Mrs D Landsborough	Resources Technician
Mrs K Lord	Library Assistant
Mrs G Marson	Administrative Assistant
Mrs P Mullin	Receptionist
Mrs C Pickering	Admissions Officer
Mrs T Richardson	Finance Officer
Mrs C Thompson	Sixth Form Officer
Mrs G Williamson	
Estate Team	Assistant to Site Manager
Mr S Drinkwater	Grounds Maintenance
Mr G Heathcote	Assistant to Site Manager
Mr P Lee	Estates Officer
Mr S Yeats	Groundsman
Mr A Shield	Site Assistant
Mr T Sylvester	
IT Technicians	Network Manager
Mr A Alsaadi	ICT Technician
Mr J Hawksworth	ICT Technician
Mr T Wright	
Science Technicians	Science Technician (Biology)
Mrs Z Albeldawi	Science Technician (Lower School Science)
Mrs A Bridgeman	Science Technician (Biology)
Mrs S Connoly	Science Technician (Chemistry)
Miss O Frankland	Science Technician (Physics)
Mrs R Gaydhani	
Technology Technicians	Technician (Technology)
Mr G Binns	Technician (Food & Art)
Mrs A Fitzgerald	



Strange, Strange and Gardner

Consulting Forensic Engineers

Noise assessments

Reconstructions of RTAs

Use of machinery

Respiratory Diseases

Slips, trips, falls

Highway defect analysis



<http://www.ssandg.co.uk>



enquiries@ssandg.co.uk

SS&G are proud sponsors of the Publications Committee.
If you could use a space like this please contact publications@agsb.co.uk.

ALTRINCHAM GRAMMAR SCHOOL FOR BOYS

Marlborough Road
Bowdon
Cheshire
WA14 2RS

Telephone: 0161 928 0858
Email: publications@agsb.co.uk
Twitter: [@agsb_official](https://twitter.com/agsb_official)

THANKS GO TO

Ideaz Inc Design and Advertising Agency

Alan Williams
(Editor)

Awais Khawaja • James Legg • George Thornicroft
(Assistant Editors)

Anthony McBurney • Graeme Wright
(Proof Readers)

And to all those who contributed to the content