



## Careers - They Did It Again!

The Careers Team is delighted to announce that we have retained the Quality in Careers Standard, a national award that recognises the work of schools and colleges who meet the 8 Gatsby Benchmarks of excellent Careers Education, Information, Advice and Guidance (CEIAG). The award represents a tremendous achievement for the department, and indeed the wider school, and confirms that students are receiving sustained, up-to-date and high quality careers education throughout their time with us, as well as progressing to rewarding and competitive destinations when they leave the school. Congratulations to all involved, and especially Mrs Quinn and Mrs Lawler, for this richly-deserved accolade.



### Reminder

15 July

Yr 7 Remote Parents' Evening  
(Booking closes this evening  
at 6pm)

16 July

Yr 8 HPV Vaccinations



HECKMONDWIKE  
GRAMMAR SCHOOL

### Staff Vacancies

We have a number of staff vacancies in school. If you are interested in joining our staff please click on the vacancy for further info.

[Information & Communications  
Technology \(ICT\) Technician](#)

[Lunchtime Supervisor](#)

[Cleaner](#)

# Subject Focus: Computer Science

How do you know a dog is a dog when you see one? How did you learn this? This is a problem that computer scientists look at when trying to develop artificial intelligence. In fact, computer science is all about solving problems.

In all years we aim to develop student's ability to solve problems. This can be done through logical reasoning or through using a computer. Sometimes it is a matter of working out the logic like in a game of hangman, on other occasions, it is more difficult because of the time it would take to do manually, like working out how many times the words war and peace are written in the book War and Peace. You could do this by reading through and keeping a tally but there are over half a million words in the book! A better way is to get the computer to do it for you as computers can do repetitive tasks very quickly. For those that are interested, war is written 161 times and peace is written 51 times (and is written 18,220 times).

In year 7 one of the first topics we look at is logic problems and this continues all the way through to A-Level. The first question in an A-Level paper has been solving a murder mystery logic problem – This has been adapted here, can you solve who killed Mr Roberts?

- The famous detective Mr Stone was called in to solve a perplexing murder mystery. He determined the following facts.
- Mr Roberts, the murdered man, was killed by a blow on the head.
- Either Mr Barnett or Mr Tipler was in the dining room at the time of the murder.
- If Mr Taylor was in the kitchen at the time of the murder, then Mrs Naylor killed Mr Roberts using poison.
- If Mr Barnett was in the dining room at the time of the murder, then Mr Snowdon killed Mr Roberts.
- If Mr Taylor was not in the kitchen at the time of the murder, then Mr Tipler was not in the dining room when the murder was committed.
- If Mr Tipler was in the dining room at the time the murder was committed, then Mr Joyce killed Mr Roberts.
- If Mr Moore was in the hall at the time of the murder, then Mr Barnett killed Mr Roberts by a blow to the neck with a saucepan.

The year 9 students are just starting with their escape room challenge, where they are given a series of puzzles that require them to use their problem-solving skills, their knowledge of computer science and their mathematical skills to progress through a series of challenges. It is always impressive to see how well the students can quickly solve problems that for many would seem impossible.

Who knows, in the future, one of our students may go on to solve one of the Millennium Problems from the Clay Institute and win themselves \$1,000,000 or even to work out how do we learn to recognise a dog!



# All Change for Miss Lumb



Reverend Lumb with the Bishop of Leeds

Last Saturday, Ms Lumb was ordained Deacon at Ripon Cathedral by the Bishop of Leeds.

After 17 years at HGS ( and 27 as a teacher), she will be leaving at the end of term to become Assistant Curate in the parishes of Harden, Wllsden, Cullingworth and Denholme.

Miss Lumb has said “Everyone has been so lovely and supportive about my new role and I think the students enjoy calling me Reverend! I have really enjoyed my time at HGS and will miss the staff and the students very much. A real joy has been being Priestley House Leader too. However, I am really excited to start a new chapter as a curate and I wish the school, the staff and students well in the future! “

We wish you every success in your new role.



## Year 10 Students - Arkwright Engineering Scholarship

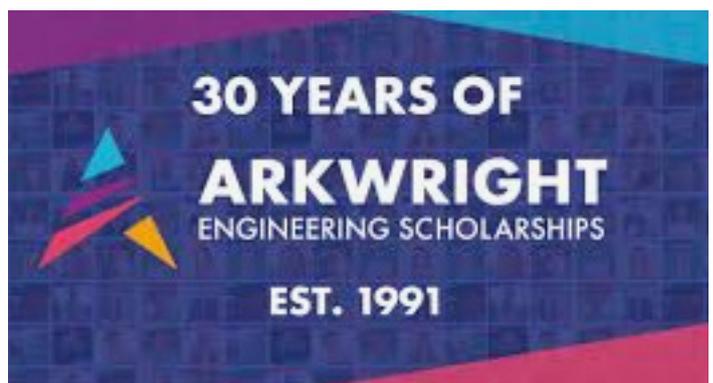
We are proud to announce that we have become a partner school with Arkwright Engineering Scholarships. Arkwright’s focus is to identify and nurture future leaders in Engineering, whether they are just starting to warm to the subjects of Engineering and Design or have been keen on Engineering or Design from a young age.

If you are currently in Year 10 and considering university study and a future career in Engineering (including computing and software) or a related area of Design (systems design, industrial design, process design, technical product design etc) then an Arkwright Scholarship might be for you! Successful candidates will be funded through their A ‘levels with a huge amount of support from the foundation.

Further information can be found here:

<https://www.arkwright.org.uk/>

If you are interested in applying for an Arkwright Scholarship in September then HGS will fully support you through the process. Please contact Mr Tipler at school before the end of term.





# House News

This week saw a huge range of House events taking place, with House staff and students working tirelessly to finish all events before the end of the year.

In boys sport Year 7 and Year 10 continued their cricket events, with the finals taking place next week. In the Year 9 cricket final Priestley came out on top, following some excellent play from the boys.

In girls sport the netball events have started, with Priestley again reigning champion in Year 9 netball. What a week for Priestley!

Mrs Jarvis ran another successful House Maths escape room challenge, this time for Year 9 and 10 who had to put their logical thinking and problem solving skills to the test. Clarke came out on top, closely followed by Priestley.



\*\*\*\*\*Note change to House Music now Fri 16 July and Mon 19 July - full information on Teams \*\*\*\*\*

## UPCOMING HOUSE EVENTS

- ~~W/C 14 Jun~~ Yr 10 E-Sports
- ~~W/C 21 Jun~~ Yr 8 & Yr 9 Cricket
- ~~W/C 28 Jun~~ Yr 8, Yr 9 and Yr 10 Cricket, Yr 9 & 10 Maths
- ~~W/C 5 Jul~~ Yr 12 E-Sports & Yr 12, Yr 10 & Yr 7 Cricket. Yr 7 & Yr 9 Netball
- ~~W/C 12 Jul~~ Yr 12 Cricket & Netball, Yr 10 Cricket & Netball. Yr 8 Netball. Yr 7 Cricket
- ~~W/C 19 Jul~~ House Music, Yr 12 Cricket & Sports Day

Further information on House Teams

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# Practice Makes Perfect

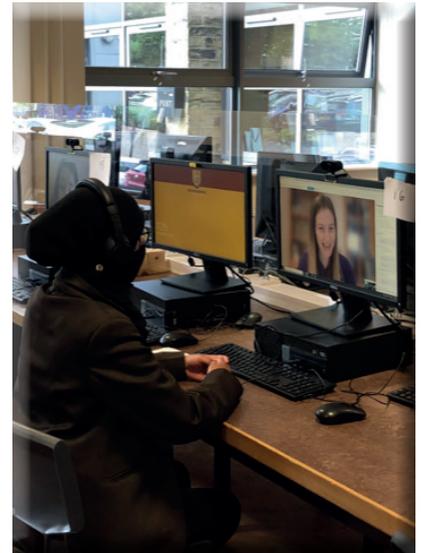
On Wednesday 7th July Year 10 students gained experience of interview practice with volunteers from local businesses through online meetings. For the majority of students, this was their first experience of an interview situation.

Students were able to practice their presentation and interview skills before receiving feedback on their technique and responses to help them to develop their skills for future interviews. With many employers and universities expressing their interest in continuing to interview candidates online the virtual interview format was a very valuable experience.

Volunteers came from a diverse range of employers including KPMG, ENGIE, Covea Insurance, Balfour Beatty, Barclays, RAF, and Ramsdens Solicitors.

The students commented on how valuable they found the experience as it encouraged them to reflect upon their skills in preparation for future interviews. Evaluation from the day included:

- "It helped build confidence in me as this was my first experience at an interview"
- "Helped me overcome fears and understand certain strengths and weaknesses"
- "I now feel prepared for future interviews and I am much less worried about them now"
- "It enabled me to focus on my key points which will allow me to increase my understanding of how to act and approach interviews in the future"
- "It put me in a situation I can see myself in, in the future and helped me to focus on self-reflection"
- "The interviewer gave me some constructive criticism which has helped me to think about how I present myself, but they also told me in what ways I have presented myself well which has given me confidence for the future"



The employers were overwhelming positive in their feedback with one commenting "your students are an absolute credit to your school, so prepared, polite, professional and enthusiastic" and another "the students knocked my socks off"!!

# Progression Conference

On Thursday 1 and Friday 2 July, students in years 10 and 12 participated in our annual Progression Conference - held this year for the first, and hopefully final, time in a fully live-virtual format. The Conference featured speakers from a range of institutions - from leading universities such as Cambridge and Sheffield to major apprenticeship providers such as Morrisons and Nestle - who delivered inspiring and, in the circumstances, remarkably interactive talks on topics from post-18 research to student finance and university personal statements. For many staff and students, however, the highlight of the Conference was an hour-long alumni panel featuring six former students who have recently left HGS to pursue a range of different progression pathways, both in the UK and abroad. All who attended would doubtless echo Mr Gilroy's sentiments: "Thank you for these very interesting talks from very impressive young people."



**HECKMONDWIKE**  
GRAMMAR SIXTH FORM

The Progression Conference is part of a busy term for both year groups, with year 10 participating in mock interviews with a range of employers this week (see elsewhere in the Heckler), and year 12 going on next week to take part in personal statement workshops led by both HGS and the universities and Bradford and Bristol.

Many thanks to all visiting delegates, as well as the HGS staff and students involved, for making the 2021 virtual Progression Conference a great success. As a result, The comments below are typical of the positive student experience of both days.

"The Conference helped me to think about what I need to look at when choosing University options." - Year 12 student

"The personal statement talk was really engaging. The presenter really showed us what universities are looking for." - Year 12 student



"The student panel gave an interesting and informative insight into a wide variety of options from the first hand of previous students." - Year 10 student

**Thank you to all our delegates at Progression Conference 2021**



# HE Progression



## Engineering career guides

### Engineering career guides for your school – download for free

The Institution of Engineering and Technology (IET) Education team works with a number of other engineering organisations under the Tomorrow's Engineers brand to produce a range of engineering careers information for 11-19 year olds, their teachers and parents. If you are looking for free, inspiring careers packs for your school, look no further with our free downloads. If you wish, you can also order hard copies to be sent direct to your school (via the website) should you be running a careers event or want to give them out to your class.

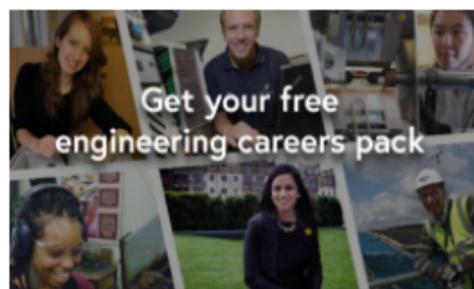
#### What is engineering? From idea to career



Engineering is a diverse, wide-reaching sector and it can be hard to decide which of the many areas to pursue. In this booklet, students will find an overview of several different types of engineering. They'll be able to find out which subjects are useful, what they might learn about, what people who work in these areas do and how much they could earn.

[Download your guide now >](#)

#### Parent guide



The majority of young people look to their parents or carers for careers advice in the first instance. This handy guide helps you talk about engineering careers, employment prospects and the routes into this fantastic career.

[Download your guide now >](#)

### Sign up to our monthly Education Bulletin

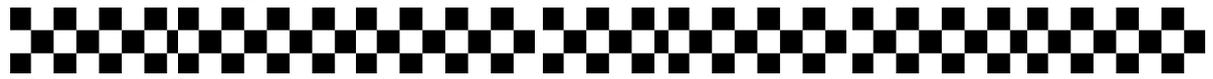
IET Education keeps teachers up to date with free STEM teaching and careers resources, news, competitions and funding opportunities every month. To never miss another brand new teaching resource, sign up for our Education Bulletin.

How to sign up for free:

1. Log in or register for an IET account (at the top of the homepage).
2. Select Education Bulletin-Schools/FE on the 'My Interests' tab of your account.
3. Click on 'Update' to save your registration.

[Sign -up Now](#)

# HE Progression continued



## Volunteer Police Cadets - **Closing date: 23rd July 2021**

Recruitment for the September 2021 scheme is open! - Volunteer Police Cadets scheme for 13 – 17 year olds

Are you interested in becoming a Volunteer Police Cadet?

- Do you have an interest in policing and public services?
- Would you like to volunteer in the service of your community?
- Would you like to complete the Duke of Edinburgh's Award?



### Eligibility

You will be eligible to apply to the scheme if you meet the following criteria:

- 13 – 17 years of age
- Will be in year 9 or above at school/college in the new academic year this September
- Live in the county of West Yorkshire

Our programme is linked to the Duke of Edinburgh's Award (DofE). You must be in year 9 or above to register for the Bronze Award.

If you already have the Bronze Award and would be interested in completing the Silver Award, you may be offered the opportunity to join one of the Silver groups.

The scheme is not an entry route into a policing career, but you will have the opportunity to gain an insight into policing, develop key life skills and support your local community.

We welcome cadets from any background.

### What's involved?

As a Volunteer Police Cadet, you will have the opportunity to:

- gain an insight into policing
- make a difference to your local community through volunteering
- achieve the DofE Award
- take part in fun and exciting activities
- make new friendships
- develop key life skills

Cadet units meet once a week for two hours during the school term. This is normally after school in the late afternoon/early evening. Please contact your preferred location for details of local meeting days and times.

Volunteering events and expeditions usually take place on weekends.

West Yorkshire Police's Volunteer Police Cadets scheme follows a two-year programme, which is linked to the Duke of Edinburgh's Award (D of E). Over 300 cadets currently take part in the programme across all five districts of West Yorkshire.

**Locations:** - We are recruiting cadets in the following locations: - Bradford, Calderdale\*, Kirklees, Leeds and Wakefield.

\*Please note Calderdale district is only recruiting cadets to join the Silver, Year 2 group at this time.

For further information click [link](#)

# HE Progression Info continued



**UK** university & apprenticeship search fairs

Event Opens  
9:00am

Event Closes  
3:00pm

**UK  
UNIVERSITY &  
APPRENTICESHIP  
SEARCH FAIR**

**LEEDS AUTUMN**  
Friday 15th October  
Leeds, Elland Road Stadium, LS11 0ES

Special Focus – UCAS Applications – Applying for Apprenticeships

The poster features a large, stylized graphic of a graduation cap in shades of purple, blue, and orange. Below the text is a photograph of a busy event hall with many people. In the foreground, two young women are smiling; one is wearing a grey coat and the other a black hijab. A circular inset in the bottom right shows a person in a white lab coat and blue apron, possibly a scientist or technician, in a laboratory setting.

For more information click below

[https://www.ukuniversitysearch.com/  
fair-signup/leeds-autumn-2021](https://www.ukuniversitysearch.com/fair-signup/leeds-autumn-2021)

# HGS Extra-Curricular

**YEAR 8 BAND**  
**THURSDAYS AFTER SCHOOL**  
 15.15 - 16.15

\*\*\* ANYONE INTERESTED SPEAK TO MR COLE OR MISS SUTCLIFE BEFORE ATTENDING \*\*\*



**Sports Clubs**

- Yr 7 Rounders** - Wednesday Lunch A
- Yr 8 Rounders** - Wednesday Lunch A
- Yr 9 Rounders** - Friday Lunch B
- Yr 10 Rounders** - Friday Lunch B
- Yr 7 Cricket** - Monday 15.15-16.15 - Sportshall
- Yr 7 Tennis** - Friday Lunch A
- Yr 10 Tennis** - Wednesday Lunch B

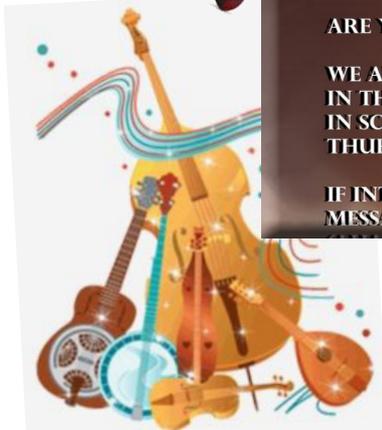


**WARHAMMER 40,000**

ARE YOU INTERESTED IN TABLETOP WARGAMES?  
 ARE YOU LOOKING FOR A PLACE FOR BATTLES?

WE ARE LOOKING TO SEE WHO IS INTERESTED IN THE FORMATION OF A WARGAMES GROUP IN SCHOOL, WHICH WOULD TAKE PLACE ON THURSDAY EVENINGS FROM SEPTEMBER.

IF INTERESTED, SEND AN E-MAIL OR A CHAT MESSAGE THROUGH TEAMS TO MR HAIGH



**Year 7 Choir**

Monday & Thursday Break

\*\*\* Anyone interested please speak to Mr Cole or Miss Sutcliffe before attending \*\*\*

Come & join us for

**ART CLUB** with Miss Bannister

Year 9	Year 7
Tuesday 5.15-16.15	Monday Lunch 12.30-13.15

**ROOM B108**



**YEAR 7 KNITTING CLUB**

Calling All Year 7 Students

Come and join our Knitting & Embroidery club Friday 21 May 2021 lunchtime

We are looking for 10-20 people, all with a different amount of skillsets so it doesn't matter if you are an amateur or a pro.

Contact Mischa Mistry, Emily Tilley or Theresa Olligan-Spink to find out more. No need to sign-up just turn up to room B109