

# Heckler

Week 24 Published 31/03/2023



HECKMONDWIKE  
GRAMMAR SCHOOL

## It's Officially Official - Important Diary Date



HECKMONDWIKE  
GRAMMAR SCHOOL

# CELEBRATING 125 YEARS

of Heckmondwike Grammar School

- Exhibition and guided tours of the school
- Complimentary afternoon tea in the original dining room
- Musical performance

## Everyone Welcome

*a chance to meet with former students, staff and friends*



Scan the QR code or contact the school to register your interest in attending.

Follow us on social media for more information

Tel: 01924 402202



Email: [admin@heckgrammar.co.uk](mailto:admin@heckgrammar.co.uk)

# OPEN DAY

## SATURDAY 1 JULY - 10AM - 4PM

## Let's Talk About Medicine ...

Dr Naqvi came into school to talk to Year 12 students about the realities of a career in Medicine. The session ran as a Q+A rather than a presentation format which worked well. Students were engaged and asked some thought-provoking questions. Topics covered included medical school applications and interviews, current issues within the NHS and roles within the NHS. Dr Naqvi herself took a non-traditional route into Medicine, completing a bachelor's in clinical sciences at Bradford



University first and then starting her degree in Medicine later in life. She has had some interesting roles within the NHS, including in A+E, Surgery and has almost completed her training to become a GP. Dr Naqvi has also kindly donated

copies of the British Medical Journal, The Doctor magazine and the British Journal of General Practice for students to boost their super-curricular knowledge about current issues in Medicine which will help to prepare them for their university interviews in the future. These can be found in the careers office if anyone would like to borrow them.

Mrs Ellis

If your child is considering a career in Medicine and you want some more information about the process, Medic Mind are running a series of free webinars for parents about the medicine application process. They take place on Wednesday evenings and each week is a different topic. You can access the booking forms here

<https://www.medicmind.co.uk/medicine-ucas-guide/medic-mind-parents-evening/>



# BPhO

## British Physics Olympiad

Last term, students in Years 11 and 12, under the supervision of Mr Drake, entered the British Physics Olympiad – a competition to recognise the excellence of young physicists.

27 students from Year 11 entered the Intermediate Physics Challenge for Key Stage 4 students. This was a one-hour paper with questions going beyond the content and problem-solving skills expected of GCSE students. All achieved a certificate with 3 winning Gold Awards and 5 winning Silver Awards.

24 students from Year 12 entered the Physics Challenge. Again, this is a one-hour paper, focussing on topics which will be studied during the A-Level course, but requiring students to apply ideas and solve problems beyond the curriculum. 4 students achieved a Gold Award and another 5 achieved Silver.



While this was an exceptionally successful outcome for the school, we were given the exciting news that Rohan Patel, Year 12, not only achieved Gold, but reached a score that put him in the top 1% of entrants to the competition. As such, he was invited to a presentation at the Royal Society. Founded in 1660 by Charles II, the Royal Society is a fellowship of the world's most eminent scientists. Former members have included Isaac Newton, Michael Faraday, Charles Darwin, and Albert Einstein. Rohan and Mr Drake will be attending the presentation on Thursday next week (27th April).

Congratulations to all involved. Their success has shown the immense talent for science we have in our school, and we look forward to similar success in the years to come.



# HOUSE EVENTS



## **w/c Monday 17 April**

Junior House Maths—afterschool  
House Chess begins

## **w/c Monday 24 April**

Staff House Bake Off—lunchtime  
House Art showcase—afterschool  
Senior E-Sports begins

## **w/c Monday 8 May**

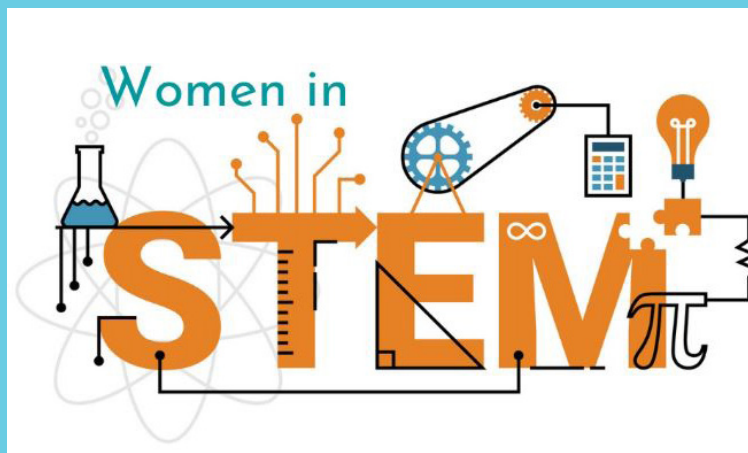
Senior Girls Rounders—lunchtime

## **w/c Monday 15 May**

Junior Boys Cricket—afterschool  
Inters Girls Rounders—lunchtime

**For more information see your Head of House!**

**Specific days to be confirmed in house assemblies and on  
Teams**



# SOCIETY

Organised by Year 13 student Isabel Hudson and facilitated by Miss Hume, the Women in STEM Society provides an opportunity to tackle challenging mathematics, engineering and physics problems in groups, present solutions, and discuss interests in STEM topics and careers. Exclusively for female students in Year 9 and above, the society offers a space to develop team work, subject knowledge, communication and problem solving skills.

Past sessions have included conquering questions from both the Mathematical and Physics Olympiad, researching inspirational

women in STEM fields, and a talk from a panel of 6th form students going on to study STEM degrees.

Future sessions will also aim to include guest speakers, group project work, practicals and field trips – and we are always open to suggestions!

As the Year 13 students enter their exam period, Isabel is stepping down from leading the sessions. We believe it is really important that the society continues to run, and that it is led by female students for female students. If you are interested in developing your organisational, communication and leadership skills (and having something fantastic to put on a UCAS application!) then get in touch as we would love to have students volunteer to fill Isabel's shoes for the remaining sessions of the year.

Women in STEM Society meets in room S017 every Thursday lunch time.

## Temporary Extended Library Opening Hours

Please note that the library has longer opening times during the run up to and during the exam period.

### Hours

**8am-4.30pm Monday - Thursdays**

**8am-3.30pm - Fridays.**

This will give students the opportunity to revise, do practice questions and print previous exam papers.



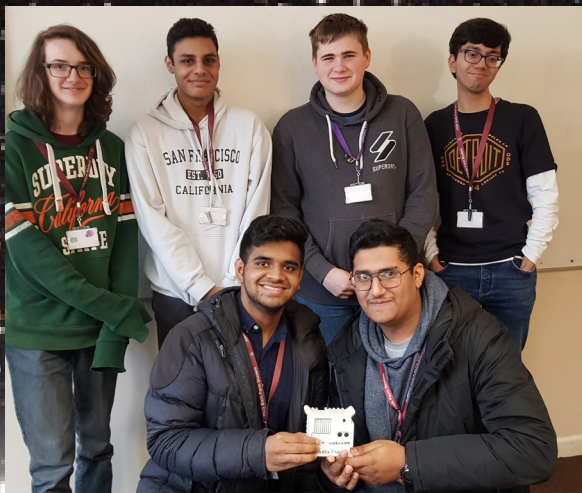
# ASTRO PI

A handful of Year 12 students have achieved something that is, quite literally, out of world! Two teams have each designed an experiment and created a computer program collect data from outer space. This week, both teams were awarded Flight Status

by the European Space Agency, meaning their programs will run on a Raspberry Pi 4 computer onboard the International Space Station (ISS).

Sahasra Vundavalli, Ella Huang and Riyaan Rehman are team FortyTwo. They predict a correlation between the diffuse reflection of solar radiation and brightness of clouds. Using their program to photograph the Earth from space, they hope to verify this hypothesis and if correct, this may provide evidence that cloud coverage could be a solution to combatting climate change.

## Team HHorizon



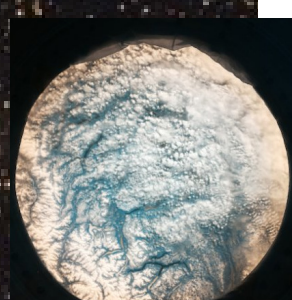
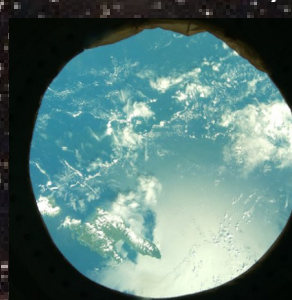
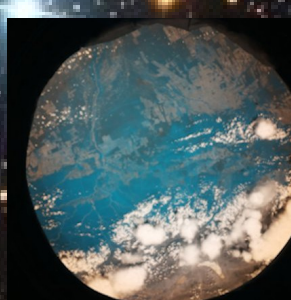
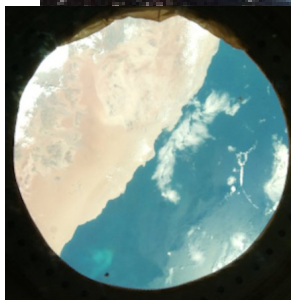
Team HHorizon (short for Hecky Horizon) consists of Ismail Patel, Christopher Drake, Karthik Vemula, Anjum Ali, Jamie Allinson and Dāhiyal Shaikh. Their program will monitor the magnetic field as the ISS orbits the Earth and map the field strength as a function of time. The Astro Pi challenge does not go this far but if successful, the program could be used when in orbit around an exoplanet; without landing, it could determine whether the exoplanet has an iron core and similar composition to Earth, and by extension whether it could potentially support life.

By the end of May, both teams should

have received their data from the ISS. The final phase of the challenge, and the main decider in who wins, is to analyse the data and write a four-page report. To get this far in a pool of 768 teams, FortyTwo and HHorizon have done incredibly well, demonstrating excellent collaboration skills and aptitude for the sciences. We wish them luck in the final phase and look forward to seeing what they accomplish next!



Team Forty Two - Women in STEM



Above are some samples of the pictures Team Forty Two will be taking

CALLING ALL **ENGINEERS**  
**OF THE FUTURE**  
**CHALLENGE ALERT!**

**AGE 13-15 YRS**

**BANGIN PRIZES TO WIN!**

**TROPHY & CERTIFICATES**

**INVENT A FRESH NEW  
TEEN SPACE HANGOUT/RECREATION  
EQUIPMENT**

**BE CREATIVE, INVENTIVE, RECYCLE!**



Are you A student in years 8-10?

Are you interested in Engineering and/or Design

If you answer YES Then this competition is for you

The Design Challenge runs until the closing date of 30th June. Get your entries in!

Full brief here

[Challenge - Make It In Manufacturing \(miim.org.uk\)](http://miim.org.uk)

# Diary Dates

**Monday 24 March**  
Rescheduled Staff Bake-Off

**Tuesday 25 April**  
Year 8 HPV Vaccinations

**Thursday 27 April**  
Year 12 Remote Parents' Evening  
booking closes Monday 24 April at 5pm

**Monday 1 May**  
School Closed - May-Day Bank Holiday

**Thursday 4 May**  
Year 10 face-to-face Parents Evening  
booking opens Monday 24 April at 5pm

**Monday 8 May**  
School Closed - Bank Holiday - Coronation Weekend

**Thursday 11 May**  
Spring Concert 7pm - full details on page 9

# EXAMS

Year 11 & Year 13 GCSE/A' Level exams :

The contingency dates for this summer exams are

**Thursday 8th & 15th June p.m**

**Wednesday 28th June - All day**

These contingency days are used should there be exceptional circumstances (in the event of national or significant local disruption to examinations) that may require exam boards to reschedule an examination. Students would only be required to attend on those days should an examination be rescheduled



HECKMONDWIKE GRAMMAR SCHOOL

# SPRING

Concert

ENTRY  
£5

THURSDAY MAY 11TH  
HGS SWANN HALL - 7pm

Tickets available from

<https://heckmondwikegrammar.schoolcloud.co.uk/>

FEATURING

CONCERT BAND

CHOIRS

SOUL BAND

STRING GROUP

PERCUSSION

GROUP



# Intermediate Biology Olympiad

Join over 12,000 students worldwide and take part in this year's online competition.



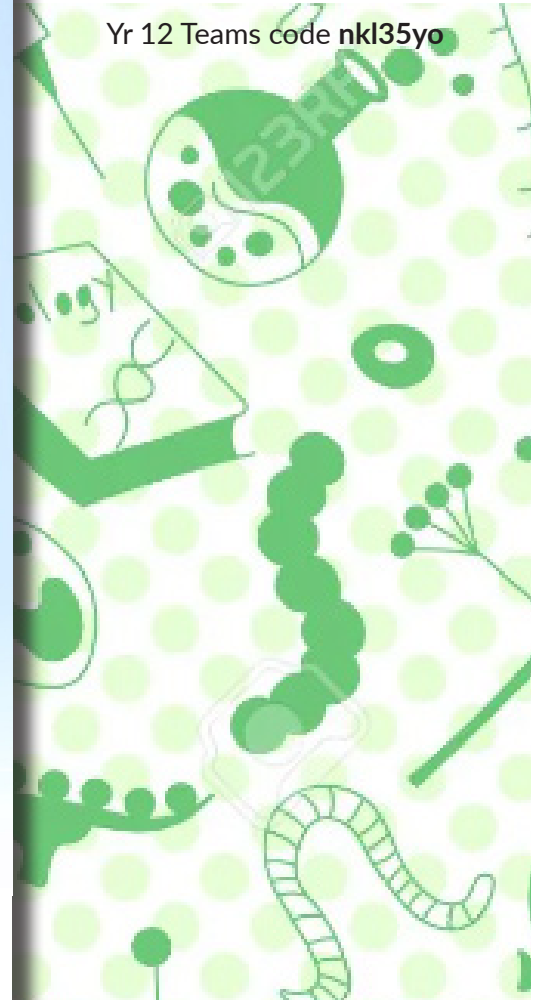
- Open to all students in:
  - Y12 in England and Wales
  - Y13 in Northern Ireland
  - S5 Scotland, and
  - Equivalent year groups worldwide
- Gain recognition by including your participation in your further and higher education applications
- Students are rewarded with e-certificates and RSB BioNet membership



Further details can be found at:  
[ukbiologycompetitions.org](http://ukbiologycompetitions.org)

United Kingdom Biology Competitions. Registered Charity No. 1191037

Yr 12 Teams code nkl35yo



Competition dates:  
3rd - 19th May 2023



Yr 9 and 10 Teams code apeei8o

# Biology Challenge

Join over 41,000 students worldwide in this year's online quiz and stimulate your curiosity for the natural world.

- Open to all students in:
  - Y9/Y10 in England and Wales
  - Y10/Y11 in Northern Ireland
  - S2/S3 in Scotland, and
  - Equivalent year groups worldwide
- Students are rewarded with e-certificates and RSB BioNet membership



Further details can be found at:  
[ukbiologycompetitions.org](http://ukbiologycompetitions.org)

# Did you ...



Gordale Scar 1996



Iceland 2019



French exchange trip 1934

Did you go to Heckmondwike Grammar School? Did you go on a school trip? When and where was it? We would love to see your photos or hear your stories. If you would like to share them please get in touch: [125photos@heckgrammar.co.uk](mailto:125photos@heckgrammar.co.uk)



Grangeton 2005



USA 2003



Three peaks 1994