
Schools Engagement at Cardiff School of Medicine

This report highlights an overview of
schools' engagement initiatives run
during academic year 2020-21



Introduction

At the School of Medicine, there is an enormous amount of engagement work aimed at inspiring school children across Wales, to excite them about science and the wide range of healthcare career opportunities available.

Our flagship Science in Health programme involves a team of professional engagement staff and academic staff from all levels of seniority from PhD to Professorial level. In addition to this our MEDIC Ambassador programme facilitates increased engagement with primary and secondary schools across Wales. Other engagement initiatives of members of staff and students are also supported, including:

- Widening Access to Medicine Mentoring Scheme (WAMMS)
- Promoting Academic Excellence (PACE) project
- Organ Donation Teaching project

During this academic period, the coronavirus pandemic continued to disrupt society, including schools, who were in and out of lockdown. As a result, all Science in Health activities were delivered digitally.

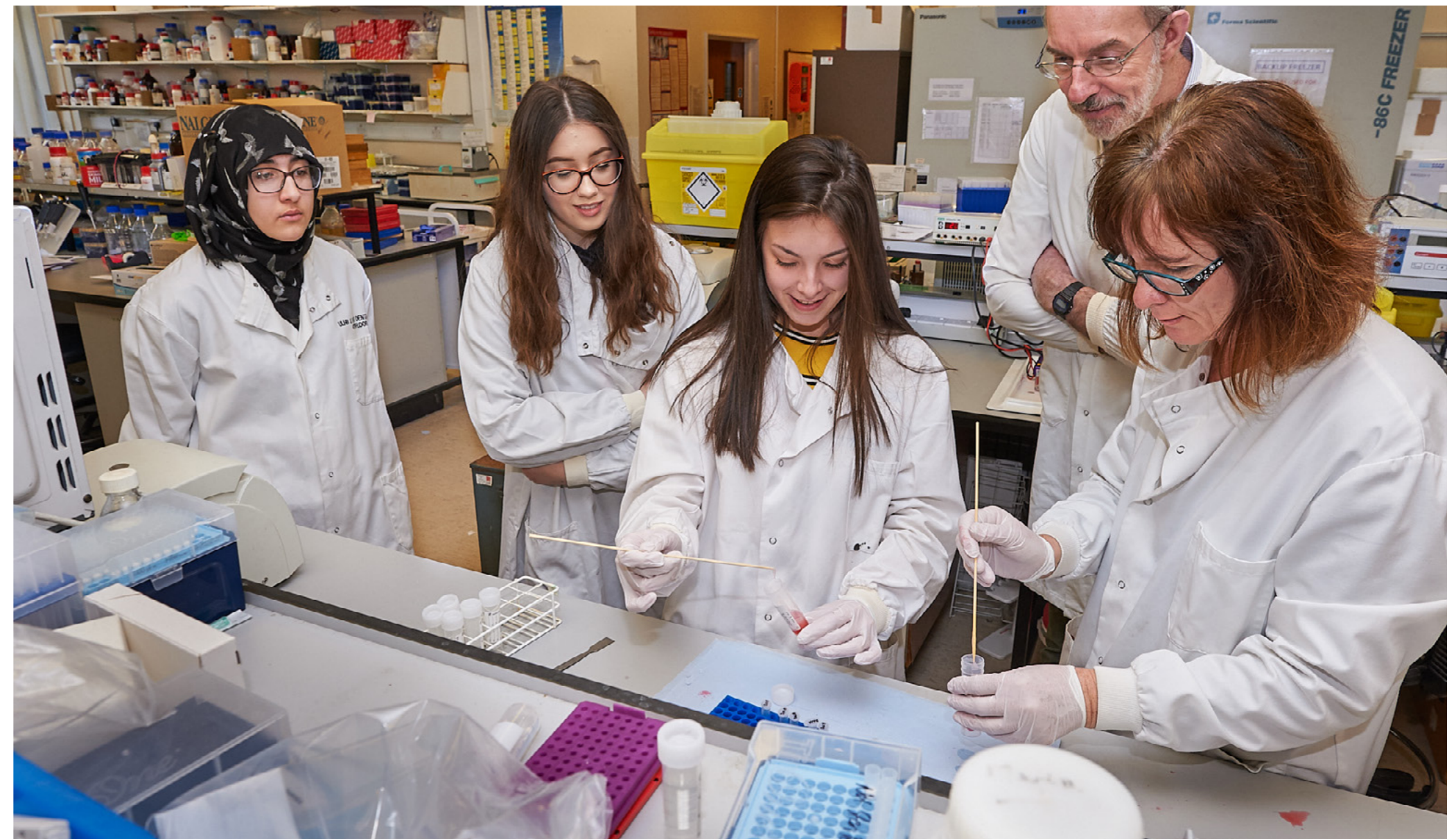
At the end of this report a table of the total number of schools that participated in engagement activities facilitated by the School of Medicine in academic year 2020/21 is provided. This table indicates the Secondary Schools located in areas with the highest levels of deprivation according to the Welsh Index of Multiple Deprivation (WIMD) and the activity they have engaged with.

In total, the School of Medicine engaged with 10 colleges, 108 secondary schools (36 located in areas of highest deprivation), and 1 primary school in Wales. Due to the virtual delivery of events, the School also engaged with 25 secondary schools outside Wales. Over 39% of all schools and colleges that engaged with the School of Medicine in this academic year participated in more than one engagement activity. Reflecting on last year's figures of schools engaged with and despite the ongoing pandemic, the School of Medicine has increased engagement with secondary schools by 7.5%.

Science in Health (SiH)

Throughout 2020/21 academic year the following Science in Health activity took place online:

- Public Lecture Series (October 2020 – March 2021)
- Life Sciences Challenge quiz (February 2020 – June 2021)
- Science in Health Live Online (March 2021)
- Science in Health Virtual Work Experience programme (June 2021)



Science in Health Public Lectures

The Science in Health Public Lecture series continues to attract large audiences of interested individuals. The 2020-21 series was delivered digitally via Zoom and successfully drew audiences from across the UK and beyond.

The lectures have three main aims – to explore areas of concern in health care, to present new research on health issues to the public and to inspire the next generation of life science researchers.

The lectures, held monthly on Thursday evenings from October to March, are recorded and available on the Cardiff University Science in Health website pages.



Reach:

- Between 100-150 members of the public, secondary school pupils and professionals joined each online lecture

Impact:

- Provides information on public health and current medical research and opportunities to engage experts and ask questions
- Provides a broad perspective for students considering a career in a variety of areas of healthcare and biomedicine

Descriptors of the lectures are shown in this word cloud:



About the lecture series

The highly successful Science in Health Public Lecture Series is now in its eighteenth year and attracts a diverse audience of interested individuals including the public, secondary school pupils and professionals. The lectures are FREE to access.

This year the lectures will take place live via Zoom. Details of how to join each lecture will be available at www.cardiff.ac.uk/scienceinhealth. All lectures will be recorded and will be available to view from the above webpage.

Programme of Lectures

Please note that the first lecture takes place on a Monday and the remaining lectures take place on the usual Thursday evening slot.

Date	Speaker	Title
Monday 19th October 7.00 pm	Dr Matt Morgan, Cardiff University	"Intensive care during Covid-19 - black nights with glimmers of good"
Thursday 12th November 7.00 pm	Dr John Holt, Space Research Centre, School of Physics and Astronomy, University of Leicester	"We came, we saw, we took samples back to Earth"
Thursday 3rd December 7.00 pm	Professor Jon Bisson, Cardiff University	"Mental Health and the Covid-19 Pandemic"
Thursday 14th January 7.00 pm	Professor Sir Michael Marmot, University College London	"Social Justice, health equity and Covid-19"
Thursday 25th February 7.00 pm	Dr Anna Dixon, Centre for Ageing Better, London	"Healthy Ageing in the time of Covid-19: how can we create a society where we all age better?"
March (date tbc)	Professor Claudia Hammond, University of Sussex and award winning broadcaster and author	"Rest in the age of Covid-19"

For queries or further information:
 Email: medicengagement@cardiff.ac.uk
 @CUmedicengage

Attendees joined from:



Cardiff	35%
England	32%
Rest of Wales	31%
Scotland	1%
Rest of Europe	1%

The reason for attending was:



To be informed	51.5%
To be inspired	35.4%
To take part in a webinar	12.1%
To put their question to an expert	1%

As a result of attending, attendees:



Felt their knowledge of the subject had improved	58%
Would like to find out more about the subject	16%
Would undertake further research	13%
Were inspired to do something different in their life	11%
Would take no further action	2%

Science in Health - Life Sciences Challenge/Her Gwyddorau Bywyd

The Life Sciences Challenge/Her Gwyddorau Bywyd is a national inter-school quiz competition, delivered in Welsh and English, aimed at Year 10/11 pupils. Every year, a new quiz is designed and delivered by PhD students, early career researchers and staff.

The event gives pupils the opportunity to meet young scientists working locally, and tests pupils' ability to analyse data and apply logic and learned knowledge to unfamiliar concepts, helping them to understand the living world.



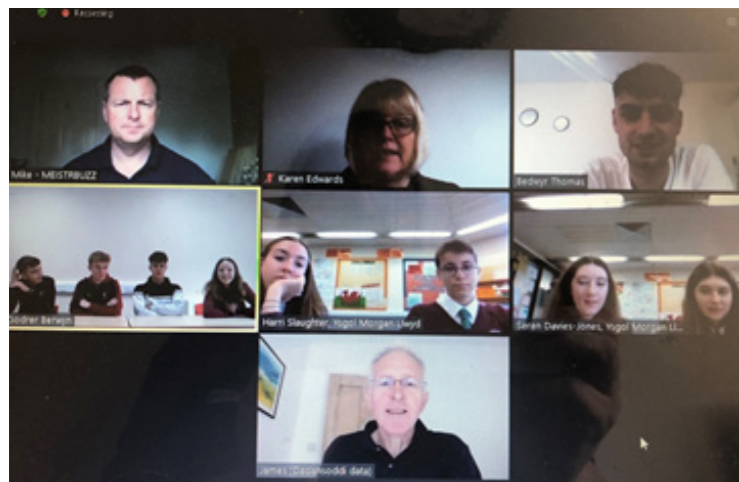
The online preliminary round took place in February 2020. Due to the impact of the pandemic on schools, the quarter finals, semi-finals and the English final took place in the autumn term 2020. The Welsh final took place in June 2021.

Reach:

- 218 teams (872 pupils) from 67 schools across Wales entered the online quiz

Impact:

- Raising awareness and inspiring pupils to consider the possibilities of careers in science and medicine
- Increasing understanding of the role of science in health
- Promoting the work and research of the University in the science and healthcare disciplines
- School pupils networking with other Schools
- Recognises and awards achievement in maths and science



Cathedral School in Cardiff were crowned the 2020 winners of the English quiz.

Teacher Andrew Vaughan said:

"The team all said how brilliant it was and how much it had inspired them, as a result one team member said he was now definitely considering the Life Sciences as a career - which is great! The competition this year was fantastic, and I think the online format seemed to work well once tech glitches were sorted out. I loved the range of rounds again and the thought that had clearly gone into them. The difficulty of the questions was just right. Thank you so much for organising everything and to the whole team for the time and effort spent in preparing and administering the quiz - it was greatly appreciated, and I am so glad it's now getting the recognition nationally that it thoroughly deserves!"

Winning team member Sarah Kaneen wrote:

"For the first time since Cathedral School started competing in the Challenge and having reached the final on several previous occasions, we were finally successful in winning this prestigious competition, out-pointing Porthcawl Comprehensive School comprehensively in a tense final round. Each round consisted of nerve-racking, finger on the buzzer type questions mixed with longer comprehension sections with information that had to be interpreted. Also featured were dingbats, calculation questions, and everyone's favourite: the song round (where we had to spell out the artist's name using elements of the periodic table!). It was a great opportunity for all of us, since we are all particularly interested in the sciences; we were all inspired and learned a great deal."



Ysgol Tryfan in Bangor were the winners of the Welsh quiz, retaining their winning title from the 2019 competition.

Teacher Nia Jones said:

"Thank you again, especially for continuing with the competition despite all the complications this year, many other competitions have been cancelled. The amount of work that is put into the quiz is very impressive, both the arranging and the quality of the questions. I've seen a fair number of them now and every one has been unique. The pupils really enjoy and feel a sense of achievement every time".

Science in Health Live Online

Science in Health Live! continues to provide year 12 pupils with opportunities to discover more about the latest internationally recognised science discoveries taking place at the School of Medicine, and how they are having a real impact on medical and clinical practice worldwide. This unique event also demonstrates the wide range of careers available in science and health and inspires its attendees to consider following a career path in those areas.

The 2021 event took place virtually, offering a combination of over 25 pre-recorded resources and four live online sessions over two days in March 2021. A total number of 464 pupils registered and received the interactive programme with links to all resources. Attendance at the live sessions ranged from 80 to over 200.

The opportunities offered to participants included:

- Meeting a range of our researchers and lecturers
- Taking part in our 'Guess the Healthcare Professional' session to gain an understanding of some of the wide range of careers available
- Questioning our panel of scientists working on COVID 19
- Seeing inside some of our labs and hearing about the latest ongoing research
- Asking questions of an Expert Panel (to include medical undergraduates, PhD Students, Early Career Researchers, Admissions staff)
- Participating in an online science quiz with voucher prizes

Reach:

- Over 400 pupils from 92 Welsh schools
- 36 pupils from 17 other UK schools

Impact:

- 76% stated that they were more likely to study at Cardiff University after attending the event
- 70% strongly agreed that the event had inspired them towards a career in science in health
- 95% felt the event had helped them to further their future career goals
- 69% thought that participation in the live sessions will help them complete their UCAS applications



Attendee and teacher, Martin Blamey, Cowbridge Comprehensive, wrote:

"I'd like to offer sincere thanks to you and all the team that put together such a fantastic programme this year. As it included presentations, discussions, videos, virtual tours, quizzes and more, clearly a great deal of effort and thought had gone into the planning and organization of this year's event which you can be sure has been so rewarding for the students at Cowbridge. Indeed, given the diversity of activities and contributors, I believe it eclipsed the 'Live' events which you'll know I've attended in previous years!!

On behalf of the school and all our students, once again, very many thanks indeed. We consider ourselves very fortunate to have had this opportunity."

As a result of attending the Science in Health Live event pupils said they would:

"Reflect on what I've learnt."

"Carry out more research into health careers!"

"Reflect on the topics discussed and how it has made me more confident in picking medicine as my future career and to list Cardiff University as my first choice when applying."

"Personal statement reflections will be made from this."

"Study hard and I'll be able to reach my goals and dream career."

Science in Health – Virtual Work Experience programme

The laboratory work experience scheme for sixth form pupils was started on a small scale in 2010. It has grown over the years and is now a much larger event, hosting up to 60 pupils over a four-week period every June and July. Unfortunately, the 2020 programme was cancelled due to Covid-19 lockdown, so it was decided to create a “virtual” work experience scheme for 2021.

Just under 60 applications were received and all were offered a place. Forty-five accepted the offer, and the scheme ran for a week at the end of June.

Prior to the programme beginning, researchers within the School of Medicine were invited to take part in the filming of experiments within their labs. Three groups kindly volunteered and a professional film company visited the labs to film them at work, and interview PhD students and staff about their research.

The programme comprised:

- Welcome session and online quiz highlighting the surprises and challenges to be found in biomedical research
- Talks about the use of animals in research, including the legislation and husbandry conditions associated with vivisection
- Pre-recorded films to view, followed up with a live online Q&A session with the researcher/s who took part in each film to ask them about their research, their studies and work life balance
- Ask the Panel Q&A with medical and PhD students, where participants could quiz panellists about applying to university, writing personal statements, navigating interviews, life as a student, studying at Cardiff

Reach:

45 pupils from:

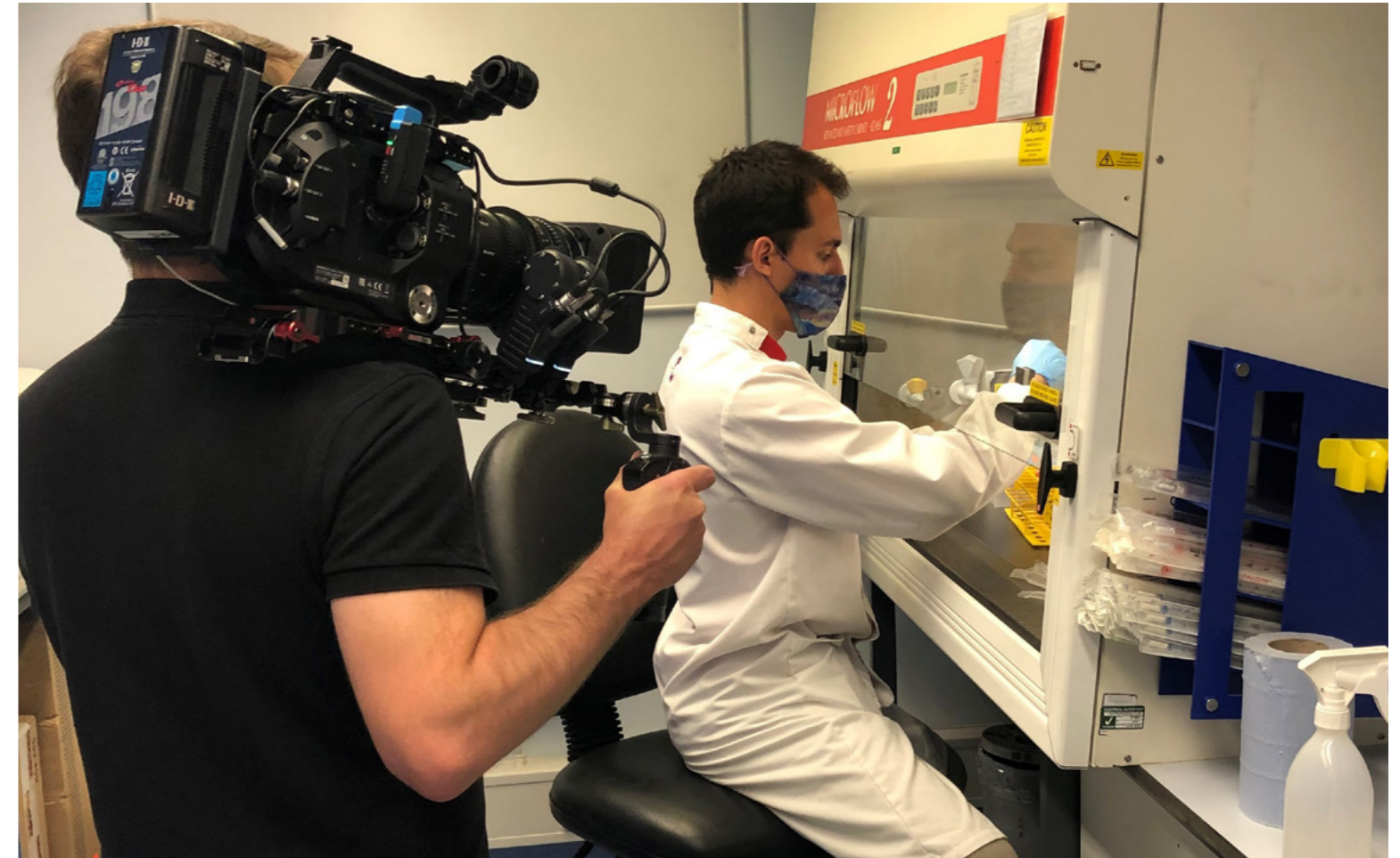
- 23 Welsh schools/colleges
- 8 English schools/colleges
- 2 Northern Ireland colleges

Impact:

The aim of the work experience scheme has always been to immerse the pupils into the world of research and medicine, through spending time in labs and speaking to staff and students across the School of Medicine. The week’s programme gave participants a flavour of what goes on in “real-life” labs and research and offered an opportunity to put questions to staff and students at different stages of their careers.

Of the students who participated in the live feedback survey:

- 62% stated that they were more likely to study at Cardiff University after taking part in the programme.
- 69% strongly agreed that the programme had inspired them towards a career in science in health.
- 100% felt the programme had helped them to further their future career goals.
- 100% thought that the week’s experience would help them complete their UCAS applications.



When attendees were asked what they particularly enjoyed about their participation in the programme, they commented:

“Learning about animal research.”

“Getting an insight into the different sides of medicine.”

“Everyone has been so kind and passionate about what they do – it’s inspiring.”

“The detail in which some of the scientific concepts were explained.”

“Getting to know about student life and what PhD students do.”

“The people behind the project, having such a positive outlook on the future of science!”

MEDIC Ambassadors

In 2017-18, the School of Medicine launched a MEDIC Ambassadors scheme, with two main purposes:

- To enable expansion of engagement activity with schools and communities across Wales, providing additional support and mentoring to pupils and teachers, enhancing the curriculum and raising aspirations from a School of Medicine perspective.
- To enhance mentoring, pedagogy, communication and employability skills in staff and students.

As of 2021 more than 150 students from across the years of study are registered MEDIC Ambassadors.

Reach:

During the academic year 2020 - 2021 participation was as follows:

Secondary schools and colleges

- Ask the Panel online live session - Science in Health Live
- Ask the Panel online live session - Science in Health Virtual Work Experience

Primary schools

- Inspiring Futures, Tredegarville Primary (60 pupils Yrs 5 & 6)
- Production of a Human Body Workshop video to complement Curriculum for Wales
- [Human body workshop - Study - Cardiff University](#)

8 MEDIC Ambassadors have taken part in the above events (some on multiple occasions).

Impact:

The impacts for university staff, alumni and students are:

- Development of employability skills
- Enhanced communication skills
- Supporting the National Curriculum
- Inspiring future scientists, medics and healthcare professionals
- Supporting the recruitment strategies of CU
- Establishing relationships with schools to make learning fun and engaging

The impact for schools and teachers include:

- Support in teaching the curriculum
- Enhanced learning, backed up with “real life” examples
- Inspiring teachers and pupils and raising career aspirations
- Long term partnership with Cardiff University School of Medicine

MEDIC Ambassador, Kestra Dawson, who co-delivered the talk to Tredegarville Primary with fellow student Georgia Mills, said:

“I started off by introducing myself and asking questions about what doctors do, where you might find them, who they work with and what equipment they use. Then I showed them some equipment I had - stethoscope, BP machine, bandage and asked what we use them for. I asked about what organs we have and they showed them some models I had with me.

Then we spoke about coronavirus: I showed them sponges as lungs, a chest x-ray and a skeleton. Then we went through what PPE is and I dressed up in my scrubs, apron, gloves and mask (I brought from work at Rodney parade testing centre). We talked about what happens at the testing centre (showed the cotton bud) and answered questions/addressed worries etc.

Finally, I answered their questions. There were some really intelligent questions about being a doctor and coronavirus in general. I was a little unprepared about questions like ‘how many people in the world have had coronavirus’ as these are not numbers I know off the top of my head!

But overall, it worked very well. The teachers were lovely and very helpful (choosing students to answer my questions) and the children were really well-behaved, attentive and engaged.”

Yvonne Jones, teacher from Tredegarville school provided the following feedback:

“Due to COVID the session took place very successfully on Microsoft Teams, but it would obviously have been better to have met the students in person. Children really enjoyed chatting to a younger visitor. They enjoyed asking questions, looking at the stethoscope and learning about parts of the body.

The medical students were very well prepared, had lovely ideas about what to say and adopted a perfect tone for addressing children of this age. Thanks to them both.”

Widening Access to Medicine Mentoring Scheme (WAMMS)

WAMMS is a medical student-led mentoring scheme, designed to raise aspirations of Welsh state-school pupils to study Medicine, assist these students with the application process, and increase the number of successful applicants.

They run sessions ranging from 'what is medicine?' to the various aspects of the UCAS application. They also ran our first mock interviews in the last year, alongside organising the first Welsh National Medical School Applicants Conference in June 2021.

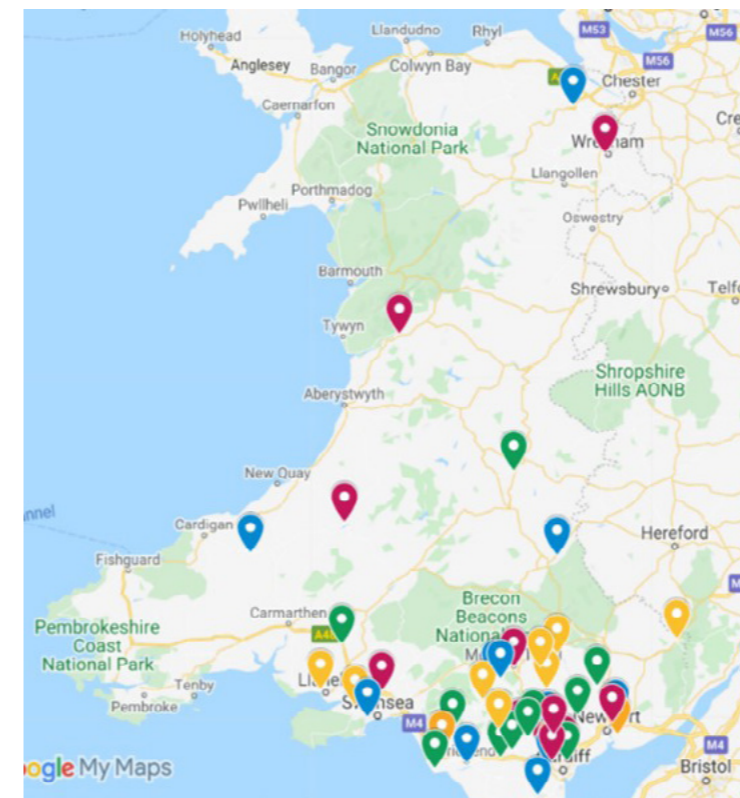
WAMMS run Twitter, Instagram and Facebook social media pages, where they post daily content covering the different aspects of applying to Medical school, alongside trying to inspire careers in medicine, through their careers series, and also careers in Wales, through their Welsh Wednesday series.

Reach:

- 43 schools engaged:
 - 23 schools had individual school visits
 - 9 schools engaged in the panel and MMI interviews
 - 11 schools engaged in the mock interviews and had individual school visits
- 55 sessions organised - 52 individual school sessions, 3 mock interviews (1 panel, 2 MMI)
- Conference attendance:
 - Day 1: 208 registered
 - Day 2: 138 registered

Impact:

- Increased visibility of undergraduate medical students in Schools across Wales
- Recognition of the value of peer support and mentoring to Welsh pupils considering medicine
- Opportunity for undergraduate medical students to develop engagement and communication skills
- Support for the Welsh Government priority to increase the numbers of Welsh domiciled pupils applying to study medicine



Map of schools engaged 2020-21

Feedback from schools included:

"In the last year academic year WAMMS helped 4 of our year 13 students obtain places at medical school, 3 to study in Cardiff and 1 in Exeter. Without doubt the workshops and advice provided by WAMMS (particularly the virtual MMI workshop) were instrumental in helping them to achieve their goal of studying medicine."

"There is no doubt in my mind that WAMMS provides that extra help and assistance that year 13 students need in order to navigate the extremely competitive application process. Getting meaningful advice from current medical students boosts their confidence and also helps allay their fears regarding the UCAS process."

"We look forward to working with you again this year, and if there's anything else we can do to help the scheme, please let us know."

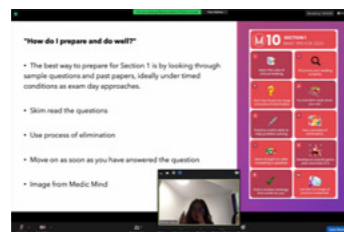
"I just wanted to email you to say thank for the support you gave two of our pupils last year, both of whom are starting medical school. The support they had was terrific. I have a couple of Year 13 pupils who intend to apply for medicine and some potential in Year 12. It would be great to work with you again this year."

MediCan Society

MediCan is an innovative society with the intention of bringing medical opportunities to the local community. They will be working with state schools in the area to assist young and ambitious students with getting into medical schools. There is a unnecessarily wide gap in both medicine applicants and students between state and public schools so they hope to support a healthy change by providing key skills.

In this academic year the Society has run the following activities:

- Mock MMI Interviews - conducted via Zoom with medical students assessing students and giving feedback
- Medicine Application Masterclass - Zoom webinar from 9am-4pm covering all aspects of the medical application process
- Mentoring Scheme - WhatsApp group chats made for year 12 students with allocated medical student mentors who were there to help and guide the year 12 students with their medical application



Reach:

Pupils from five schools attended the events:

- Mock MMI Interviews: 50-60
- Medicine Application Masterclass: 40
- Mentoring Scheme: 18

Impact:

All the activities were able to have a positive impact on the students as helped to provide the information needed to undergo the medical admissions process through the medicine masterclass. The mock MMIs were also an opportunity whereby students were able to apply this knowledge and get a feel for how interviews are run, and the mentorship scheme enabled the students to have one to one help and support from current medical students. This was set up for year 12s last year but is still being used by them as they are going through the application cycle this year and seems to be very helpful for them.

Feedback from students included:

"Covering every tiny detail was super helpful especially the interview scenarios. I think you guys aced this. Thank you very much!"

"Extremely informative and helpful."

"I liked how engaging all the presentations were and I think it gave a really good insight into a medical student's life and taught us how to apply well."

"Each section of the application process was covered in depth and detail with good examples."

"Maybe not long sessions, instead shorter but more frequent sessions would be good. It was very helpful though, thank you."

Wales Gene Park Teachers' Genetics Network

The Teachers' Genetics Network was established in 2006. It is aimed at biology teachers wishing to be kept up to date with the latest genetics and genomics information, and schools and colleges throughout Wales (and the bordering counties of England) are invited to join the free network.

Network members receive a termly newsletter containing articles on current genetics and genomics-related issues, as well as information on relevant websites, educational resources and forthcoming events. Members are encouraged to send in articles and feedback with comments and requests for future issues.

Through the Teachers' Genetics Network, Wales Gene Park (WGP) also facilitates other relevant opportunities for schools and colleges, such as participation in consultations where organisations (e.g. Welsh Government, Human Fertilisation and Embryology Authority) request feedback or opinion on science or health-related genetic/genomic issues.

Reach:

- Currently over 400 science and/or biology teachers are members of the network

Impact:

- Attendance at events advertised via the newsletter (e.g. Sixth Form Conference, Schools' Roadshow, Teacher's Genetics CPD) – these can be WGP events or those organised by others (e.g. Science in Health Live)
- Collaborations with schools (e.g. on pilot projects)
- Opportunities for schools to participate in consultation responses



Feedback/evaluation:

- Informal feedback from network members on newsletter content; events; engagement activities
- Network sign-up metrics for schools and teachers

Thinking About Applying to Medicine? Resources for Prospective Students

Dr Rhiannedd Tudor Jones, Dr Sue Emerson, Vicki Roylance,
Centre for Medical Education



Staff members from the Centre for Medical Education created a comprehensive [bilingual guide](#) providing guidance, suggestions and links to resources and information for prospective medical school applicants.

This was intended to support and strengthen pupils' applications, particularly while access to work experience and

guidance through schools and colleges may have been more difficult during the pandemic period. It has been widely distributed and utilised by prospective students across Wales and the rest of the UK.

Reach:

- Welsh Seren Network participants targeting medicine
- Cardiff Medicine Sutton Trust Summer School participants
- Applicants making enquiries to Cardiff medicine admissions team regarding work experience/ personal statements
- Doctoriaid Yfory participants (110)
- Hosted on Cardiff University website so available to any prospective applicants
- Used by colleagues at Swansea University – work experience, students being mentored under Mullany Fund scheme and Coleg Cymraeg programme (estimated 40 students)

- RCGP Wales outreach activities participants (>400)
- Circulated to all Welsh secondary schools for use by their pupils/careers teams and to schools and colleges across the UK by the Cardiff University Schools Liaison Team.
- Cardiff WAMMS for use in their activities

Impact:

- Supporting prospective applicants to make a strong application to medicine
- Reducing inequality in access to guidance and signposting to resources
- Increasing confidence in prospective applicants while access to work experience and volunteering has been necessarily restricted
- Creating a positive impression among prospective applicants of Cardiff School of Medicine as a supportive and inclusive environment
- Permanently available on Cardiff University webspace so groups or individuals can easily access/share the link which will then take them directly to the most up to date version as it is reviewed and added to on an annual basis

Feedback from users included:

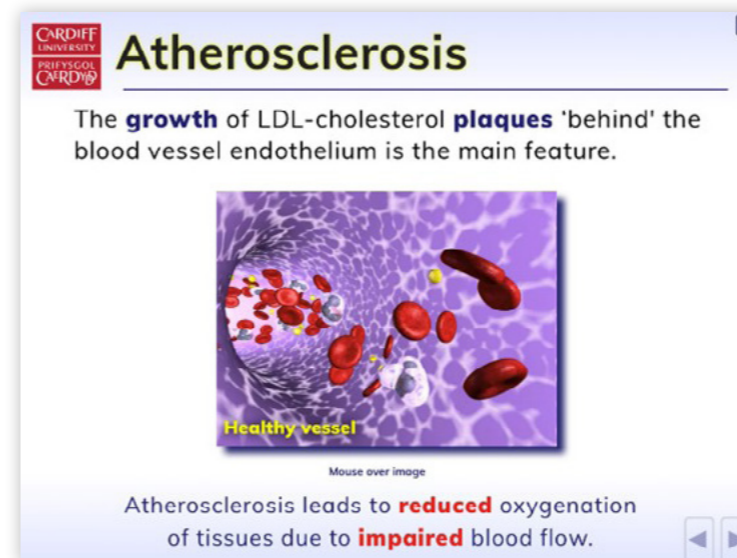
"Brilliant!"

"There is nothing else much like this."

"An excellent resource for prospective students."

Virtual Presentation on Cardiovascular Disease

Professor Marcus Coffey, Professor of Medical Education (Pharmacologist/Biochemist) gave a virtual presentation on the subject of Cardiovascular Disease to sixth form students in Cowbridge Comprehensive School.



Reach:

- 10 sixth form students, Cowbridge Comprehensive School

Impact:

- In the 90 minute session, students were given the opportunity to put their questions about the topic to Professor Coffey

Feedback/evaluation:

Teacher Martin Blamey wrote:

"I was very grateful to Professor Coffey for making time to give what was an absorbing presentation! He seemed particularly keen to offer his support. He told me that he had been educated at an 'ordinary' comprehensive school in Cornwall where apparently there were few opportunities of the sort that our students at Cowbridge are now able to benefit from!"

But I can tell you that his presentation was particularly advantageous to one of our students, Hannah. She had decided (voluntarily) to submit an essay on the topic of cardiovascular disease as part of an outreach programme for school students organised by Gonville and Caius College, Cambridge University, aimed at helping them "develop their super-curricular interests". The topic of her essay was "Will more than 1 in 3 people die of cardiovascular disease in the next 50 years?"

I'm delighted to say that Hannah's submission earned her an invitation to visit the College! When you consider who else might have taken part this is a very commendable result! The interesting bit is that up to now, she has had no thought of applying to Cambridge! She simply saw it as an interesting academic exercise!"

Virtual Primary School Engagement Activity – Bones and Organs

Dr Daniel Smith in the Division of Infection and Immunity produced an online activity on bones and organs, which formed part of CITER's portfolio for the Cardiff Science Festival in 2020. The video was accessible to anyone who visited the Cardiff Science Festival website.



Reach:

- 77 viewings via Cardiff Science Festival website

Impact:

- As a result of the success of the video for the Cardiff Science Festival, it has now also been added as a virtual activity to the Children's University website, where schools can access activities that they would like pupils to take part in

Feedback/evaluation:

Cardiff Science Festival organisers reported that they had very positive feedback about the "fun, interactive and informative" video.



Map of Schools Engagement Activity Across Wales 2020-21

School Name	Local Authority	Sector	SiHL	WE	LSC	HGB	MA	WAMMS	MediCan	MC
Ysgol Uwchradd Caergybi	Isle of Anglesey	Secondary				X				
Ysgol David Hughes	Isle of Anglesey	Secondary	X							
Ysgol Syr Thomas Jones	Isle of Anglesey	Secondary	X							
Ysgol Gyfun Llangefni	Isle of Anglesey	Secondary	X							
Coleg Meirion-Dwyfor	Gwynedd	College	X							
Ysgol Botwnnog	Gwynedd	Secondary			X	X				
Ysgol Brynrefail	Gwynedd	Secondary	X							
Ysgol Godre'r Berwyn	Gwynedd	Secondary			X	X				
Ysgol Tryfan	Gwynedd	Secondary	X			X				
Ysgol Tywyn	Gwynedd	Secondary			X	X				
Ysgol Glan Y Mor	Gwynedd	Secondary			X	X				
Ysgol John Bright	Conwy	Secondary	X		X					
Ysgol Eirias	Conwy	Secondary	X							
Ysgol Dyffryn Conwy	Conwy	Secondary	X							
Ysgol Uwchradd Glan Clwyd	Denbighshire	Secondary	X			X				
Ysgol Brynhyfryd	Denbighshire	Secondary	X	X	X	X				
Denbigh High School	Denbighshire	Secondary	X							
Coleg Cambria	Flintshire	College	X					X		
St Richard Gwyn	Flintshire	Secondary	X	X						
Alun School	Wrexham	Secondary	X					X		
Castell Alun High School	Wrexham	Secondary	X							
Ysgol Clywedog	Wrexham	Secondary			X					
Ysgol Morgan Llwyd	Wrexham	Secondary				X				
St Joseph's Catholic And Anglican High	Wrexham	Secondary			X					
Brecon High School	Powys	Secondary	X							
Gwernyfed High School	Powys	Secondary	X	X				X		
Ysgol Llanfyllin	Powys	Secondary	X							
Newtown High School	Powys	Secondary	X							
Welshpool High School	Powys	Secondary			X					
Ysgol Calon Cymru	Powys	Secondary	X		X	X		X		
Ysgol Bro Hyddgen	Powys	Secondary	X					X		
Ysgol Uwchradd Aberteifi	Ceredigion	Secondary	X							
Ysgol Bro Pedr	Ceredigion	Secondary	X	X		X		X		
Ysgol Penglais	Ceredigion	Secondary	X		X					
Ysgol Gyfun Penweddig	Ceredigion	Secondary	X		X	X				
Pembrokeshire College	Pembrokeshire	College	X							
Ysgol Penrhyn Dewi (prev Dewi Sant)	Pembrokeshire	Secondary			X					
Ysgol Greenhill	Pembrokeshire	Secondary	X							
Haverfordwest High VC School	Pembrokeshire	Secondary	X							
Ysgol y Preseli	Pembrokeshire	Secondary	X		X	X				
Ysgol Dyffryn Aman	Carmarthenshire	Secondary	X		X					
Ysgol Gyfun Emlyn	Carmarthenshire	Secondary						X		
Bryngwyn School	Carmarthenshire	Secondary			X					
Coedcae School	Carmarthenshire	Secondary			X					
Ysgol Gyfun Y Strade	Carmarthenshire	Secondary	X		X	X		X		
Queen Elizabeth High School	Carmarthenshire	Secondary	X		X					
St John Lloyd RC School	Carmarthenshire	Secondary			X					
Ysgol Maes y Gwendraeth	Carmarthenshire	Secondary	X		X	X		X		
Ysgol Bro Dinefwr	Carmarthenshire	Secondary	X							
Ysgol Bro Myrddin	Carmarthenshire	Secondary	X			X				
Gower college	Swansea	College	X	X						
Ysgol Gyfun Gwyr	Swansea	Secondary	X			X		X		
Ysgol Bryn Tawe	Swansea	Secondary	X							
Bishop Gore School	Swansea	Secondary	X	X				X		

School Name	Local Authority	Sector	SiHL	WE	LSC	HGB	MA	WAMMS	MediCan	MC
Bishop Vaughan School	Swansea	Secondary	X		X					
Olchfa School	Swansea	Secondary	X							
Morrison High School	Swansea	Secondary						X		
Ysgol Gyfun Ystalyfera Bro Dur	Neath Port Talbot	Secondary	X		X					
Penybont Sixth Form College	Bridgend	College	X							
Brynteg School	Bridgend	Secondary	X		X			X		
Cynffig Comprehensive	Bridgend	Secondary						X		
Pencoed High School	Bridgend	Secondary	X							
Porthcawl Comprehensive	Bridgend	Secondary	X		X			X		
Ysgol Gyfun Gymraeg Llangynwyd	Bridgend	Secondary				X		X		
Archbishop McGrath Catholic High School	Bridgend	Secondary	X							
Ysgol Bro Morgannwg	The Vale of Glamorgan	Secondary	X			X		X		
Cowbridge Comprehensive School	The Vale of Glamorgan	Secondary	X							X
Pencoedtre High School	The Vale of Glamorgan	Secondary			X					
St Cyres Comprehensive School	The Vale of Glamorgan	Secondary	X		X					
St Richard Gwyn	The Vale of Glamorgan	Secondary	X		X					
Aberdare Community School	Rhondda Cynon Taf	Secondary						X		
Bryncelynnog Comprehensive School	Rhondda Cynon Taf	Secondary	X					X		
Cardinal Newman	Rhondda Cynon Taf	Secondary	X					X		
Mountain Ash Comprehensive School	Rhondda Cynon Taf	Secondary	X							
Ysgol Gyfun Garth Olwg	Rhondda Cynon Taf	Secondary	X			X		X		
Tonyrefail Community School	Rhondda Cynon Taf	Secondary	X					X		
Treorchy Comprehensive	Rhondda Cynon Taf	Secondary	X	X				X		
Porth County Community	Rhondda Cynon Taf	Secondary			X					
Pontypridd High School	Rhondda Cynon Taf	Secondary			X					
St John the Baptist CIW High School	Rhondda Cynon Taf	Secondary						X		
Y Pant Comprehensive	Rhondda Cynon Taf	Secondary	X					X		
Ysgol Gyfun Rhydywaun	Rhondda Cynon Taf	Secondary	X			X				
Ysgol Llanhari	Rhondda Cynon Taf	Secondary	X			X				
Ysgol Gyfun Cwm Rhondda	Rhondda Cynon Taf	Secondary				X				
Cyfarthfa High School	Merthyr Tydfil	Secondary			X					
Merthyr Tydfil College	Merthyr Tydfil	College	X					X		
Coleg y Cymoedd	Caerphilly	College	X							
Newbridge School	Caerphilly	Secondary			X					
St Cenydd School	Caerphilly	Secondary						X		
St Martin's	Caerphilly	Secondary	X		X			X		
Islwyn High School	Caerphilly	Secondary			X					
Idris Davies Comprehensive School	Caerphilly	Secondary			X			X		
West Monmouth Comprehensive School	Torfaen	Secondary						X		
St Alban's	Torfaen	Secondary			X					
Monmouth Comprehensive School	Monmouthshire	Secondary	X		X			X		
Coleg Gwent	Newport	College	X					X		
Bassaleg	Newport	Secondary	X	X						
Caerleon Comprehensive School	Newport	Secondary	X	X	X			X		
The John Frost School	Newport	Secondary	X					X		
Llanwern High School	Newport	Secondary	X	X						
Lliswerry High School	Newport	Secondary						X		
St Joseph's RC High School	Newport	Secondary	X							
St. Julian's High School	Newport	Secondary						X		
St David's Catholic Sixth Form College	Cardiff	College	X	X				X	X	
Cardiff and Vale College	Cardiff	College	X	X						
Bishop of Llandaff CiW High School	Cardiff	Secondary	X							
Cantonian High School	Cardiff	Secondary						X		
Cardiff High School	Cardiff	Secondary	X	X	X			X	X	

School Name	Local Authority	Sector	SiHL	WE	LSC	HGB	MA	WAMMS	MediCan	MC
Cardiff West Community High School	Cardiff	Secondary			X					
Fitzalan High School	Cardiff	Secondary	X						X	
Cathays High School	Cardiff	Secondary			X					
Corpus Christi	Cardiff	Secondary			X					
Llanishen High School	Cardiff	Secondary		X					X	
Radyr Comprehensive School	Cardiff	Secondary			X			X		
Ysgol Gyfun Gymraeg Glantaf	Cardiff	Secondary	X			X		X		
Ysgol Gyfun Gymraeg Plasmawr	Cardiff	Secondary	X							
St Teilo's C-In-W High School	Cardiff	Secondary	X	X	X					
Whitchurch High School	Cardiff	Secondary	X	X	X			X	X	
Tredegarville Primary School	Cardiff	Primary					X			

Independent Schools/Colleges

School Name	Local Authority	Sector	SiHL	WE	LSC	HGB	MA	WAMMS	MediCan	MC
Cathedral School, Llandaff	Cardiff	Secondary	X	X	X					
Westbourne School	The Vale of Glamorgan	Secondary	X							
Howells's School, Llandaff	Cardiff	Secondary	X	X						
St John's College	Cardiff	Secondary	X	X	X					
St Michael's School	Llanelli	Secondary	X	X						
(Haberdashers) Monmouth School for Girls	Monmouthshire	Secondary	X							
(Haberdashers) Monmouth School for Boys	Monmouthshire	Secondary	X							
Cardiff Academy	Cardiff	Secondary	X	X						
Cardiff sixth form	Cardiff	Secondary	X	X						
King's Monkton School	Cardiff	Secondary	X							
UWC Atlantic College	Vale of Glamorgan	College	X							

Schools and Colleges outside Wales

School Name	Local Authority	Sector	SiHL	WE	LSC	HGB	MA	WAMMS	MediCan	MC
Barton Peveril Sixth Form College	Eastleigh	College	X							
Bishop Vesey's Grammar School	Sutton Coldfield	Independent	X							
Clifton High School	Bristol	Independent	X							
Fortismere School	London	Secondary		X						
Goffs Academy	Cheshunt	Secondary		X						
Haberdashers' Knights Academy	Bromley	Secondary		X						
Hills Road Sixth Form College	Cambridge	College	X	X						
King Edward VI School (Girls)	Birmingham	Secondary		X						
King Edward VI School (Boys)	Stratford upon Avon	Secondary	X							
Kingsthorpe College	Northampton	Secondary	X							
Lumen Christi College	Derry	Secondary		X						
Lutterworth College	Lutterworth	Secondary	X							
Mulberry School for Girls	London	Secondary	X							
Oaklands Catholic School	Waterlooville	Secondary		X						
Queen Mary's College	Basingstoke	College	X							
Ruislip High School	London	Secondary	X							
Scarisbrick Hall School	Ormskirk	Independent	X							
Sidmouth College	Sidmouth	Secondary	X							
Sir George Monoux College	London	College	X	X						
St Bede's Catholic College	Bristol	Secondary	X	X						
St Dominic's Sixth Form College	Harrow on the Hill	College	X							
The Clarendon Academy	Trowbridge	Secondary	X							
Thornhill College	Derry	Secondary		X						
Truro and Penwith College	Truro	College	X							
Wirral Grammar School for Boys	Wirral	Secondary	X							

Key:

SiHL	Science in Health Live Online
WE	Work Experience (online)
LSC	Life Sciences Challenge
HGB	Her Gwyddorau Bywyd
MA	MEDIC Ambassadors
WAMMS	Widening Access to Medicine Mentoring Scheme
MediCan	MediCan student society
MC	Professor Marcus Coffey presentation

n= 155

10	College
108	Secondary - Wales
25	Secondary - outside Wales
1	Primary
11	Independent

**Welsh Index of Multiple Deprivation (WIMD)
(% pupils in 50% most deprived areas)**

WIMD (80-100%)
WIMD (60-80%)

Due to Covid-19 all activities took place online

Ymgysylltu ag Ysgolion yn Ysgol Meddygaeth Caerdydd

Mae'r adroddiad hwn yn rhoi trosolwg o'r mentrau ymgysylltu ag ysgolion a gynhaliwyd yn ystod blwyddyn academaidd 2020-21.



Cyflwyniad

Yn yr Ysgol Meddygaeth, gwneir llawer o waith ymgysylltu sy'n ceisio ysbrydoli plant ysgol ledled Cymru a'u cyffroi ynghylch gwyddoniaeth a'r ystod eang o gyfleoedd gyrfa sydd ar gael ym maes gofal iechyd.

Mae ein rhaglen flaenllaw Gwyddoniaeth ym Maes Iechyd yn cynnwys tîm o staff ymgysylltu proffesiynol a staff academiaidd o bob lefel, o PhD i'r lefel broffesiynol. Yn ogystal â hyn mae ein rhaglen Llysgenhadon MEDIC yn hwyluso rhagor o ymgysylltiad gydag ysgolion cynradd ac uwchradd ledled Cymru. Cefnogir mentrau ymgysylltu eraill ag aelodau staff a myfyrwyr hefyd, gan gynnwys

- Cynllun Mentora Ehangu Mynediad i Feddygaeth (WAMMS).
- Prosiect Hyrwyddo Rhagoriaeth Academiaidd (PACE).
- Prosiect Addysgu Rhoi Organau.

Yn ystod y cyfnod academiaidd hwn, parhaodd pandemig y coronafeirws i darfu ar gymdeithas, gan gynnwys ysgolion, a fu mewn ac allan o gyfnodau clo. O ganlyniad, cyflwynwyd yr holl weithgareddau Gwyddoniaeth ym Maes Iechyd yn ddigidol.

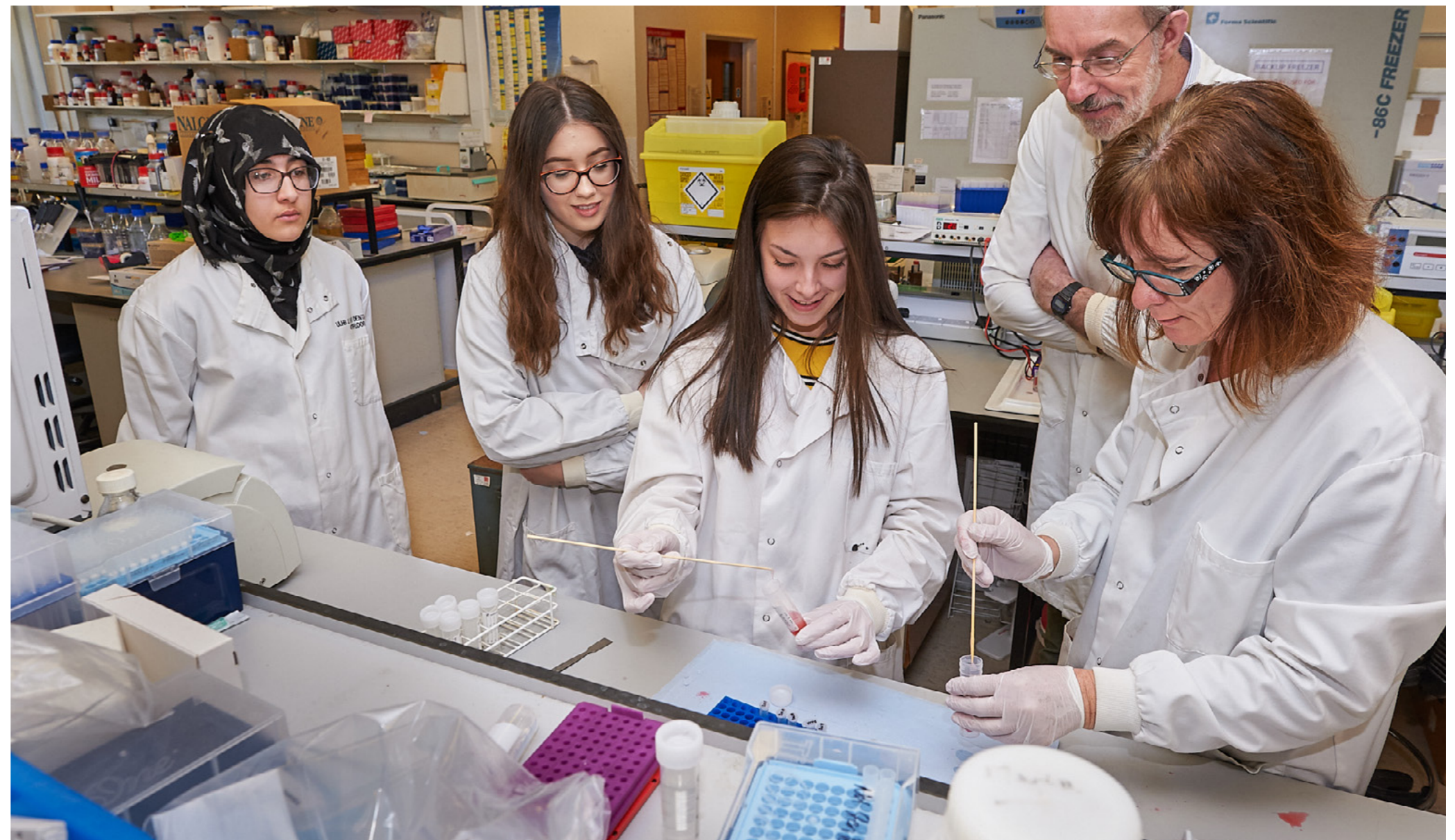
Ar ddiwedd yr adroddiad hwn mae tabl o gyfanswm nifer yr ysgolion sydd wedi cymryd rhan mewn gweithgareddau ymgysylltu wedi'u hwyluso gan yr Ysgol Meddygaeth ym mlwyddyn academiaidd 2020/21. Mae'r tabl hwn yn nodi'r Ysgolion Uwchradd sydd wedi'u lleoli yn yr ardaloedd sydd â'r lefelau uchaf o amddifadedd, yn ôl Mynegai Amddifadedd Lluosog Cymru (WIMD), a'r gweithgareddau y buon nhw'n cymryd rhan ynddynt.

I gyd, ymgysylltodd yr Ysgol Meddygaeth â 10 coleg, 108 ysgol uwchradd, (36 ohonynt wedi'u lleoli yn yr ardaloedd â'r lefelau uchaf o amddifadedd), ac 1 ysgol gynradd yng Nghymru. Yn sgil cyflwyno'r digwyddiadau'n rhithwir, llwyddodd yr Ysgol i ymgysylltu â 25 o ysgolion uwchradd y tu allan i Gymru hefyd. Gwnaeth dros 39% o'r ysgolion a'r colegau a ymgysylltodd â'r Ysgol Meddygaeth yn y flwyddyn academiaidd hon gymryd rhan mewn mwy nag un gweithgaredd ymgysylltu. Gan edrych ar ffigurau y llynedd o ran yr ysgolion yr ymgysylltwyd â nhw er gwaetha'r pandemig, mae'r Ysgol Meddygaeth wedi gwneud cynnydd o 7.5% yn eu hymgylltiad ag ysgolion uwchradd.

Gwyddoniaeth ym Maes Iechyd

Drwy gydol blwyddyn academiaidd 2020/21, cynhaliwyd y gweithgarwch Gwyddoniaeth ym Maes Iechyd canlynol ar-lein:

- Cyfres o Ddarlithoedd Cyhoeddus (Hydref 2020 – Mawrth 2021)
- Cwis Her y Gwyddorau Bywyd (Chwefror 2020 – Mehefin 2021)
- Gwyddoniaeth ym Maes Iechyd yn Fyw Ar-lein (Mawrth 2021)
- Rhaglen Profiad Gwaith Rhithwir Gwyddoniaeth ym Maes Iechyd (Mehefin 2021)



Darlithoedd Cyhoeddus ar Wyddoniaeth ym maes Iechyd

Mae'r gyfres Darlithoedd Cyhoeddus ar Wyddoniaeth ym maes Iechyd yn parhau i ddenu cynulleidfaoedd mawr o unigolion sydd â diddordeb. Cyflwynwyd cyfres 2020-21 yn ddigidol drwy Zoom, a llwyddwyd i ddenu cynulleidfaoedd o bob cwr o'r Deyrnas Unedig a thu hwnt.

Mae tri phrif nod i'r darlithoedd – archwilio meysydd pryder ym maes gofal iechyd, cyflwyno gwaith ymchwil newydd ar faterion iechyd i'r cyhoedd ac ysbrydoli'r genhedlaeth nesaf o ymchwilwyr gwyddorau bywyd.

Mae'r darlithoedd, a gynhelir yn fisol ar nosweithiau lau o fis Hydref tan fis Mawrth, yn cael eu recordio ac maent ar gael ar [dudalennau gwefan Gwyddoniaeth ym maes Iechyd Prifysgol Caerdydd](#).



Cyrhaeddiad:

- Ymunodd rhwng 100 a 150 o aelodau'r cyhoedd, disgyblion ysgol uwchradd a gweithwyr proffesiynol â phob darlith ar-lein.

Effaith:

- Darparu gwybodaeth am iechyd y cyhoedd a gwaith ymchwil meddygol presennol, a chyfleodd i ymgysylltu ag arbenigwyr a gofyn cwestiynau
- Darparu safbwynt eang i ddisgyblion sy'n ystyried gyrfa mewn meysydd amrywiol o ofal iechyd a biofeddygaeth.

Dangosir disgrifyddion y darlithoedd yn y cwmwl geiriau hwn:



Ynghylch y gyfres o ddarlithoedd

Mae'r gyfres hynod o leydliannus hon o Ddarlithoedd Gwyddoniaeth mewn Iechyd Cyhoeddus bellach yn ei deunawfed flwyddyn, ac yn denu cynulleidfaoedd amrywiol o unigolion sydd â diddordeb ynysu, gan gynnwys y cyhoedd, disgyblion ysgol uwchradd a gweithwyr proffesiynol. Mae'r darlithoedd **YN RHAD AC AM DDIM**.

Eleni bydd y darlithoedd yn cael eu cynnal yn fyw ar-lein drwy Zoom. Bydd manylion am sut i ymuno â phob darlith ar gael yn www.caerdydd.ac.uk/gwyddoniaethmewnlechydd. Bydd pob darlith yn cael ei recordio a bydd ar gael i'w gweld o'r dudalen we uchod.

Rhaglen Ddarlithoedd

Sylwch fod y ddiwrnod yntaf yn digwydd ar dydd Llun a bydd darlithoedd sy'n weddill yn digwydd ar y sŵt nos law arferol.

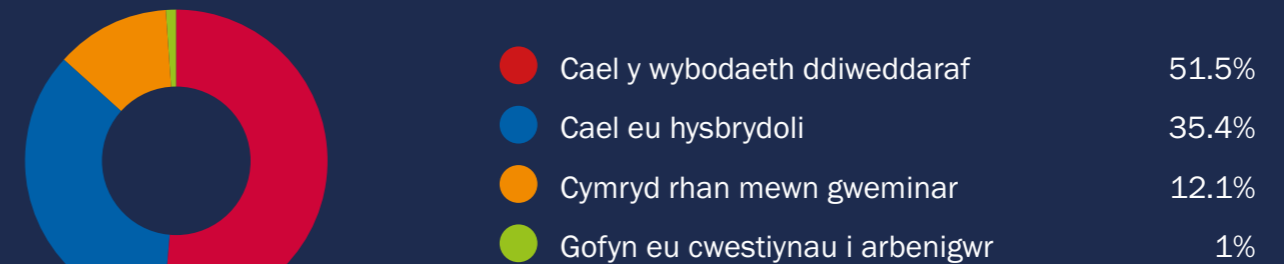
Dyddiad	Siaradwr	Teitl
Dydd Llun 19 Hydref 7.00 pm	Dr Matt Morgan, Prifysgol Caerdydd	"Gofal dwys yn ystod COVID-19 - nosweithiau du gyda bygedyn o dda"
Dydd Iau 12 Tachwedd 7.00 pm	Dr John Holt, Canolfan Ymchwil Gofod, Ysgol Ffiseg a Seryddiaeth, Prifysgol Caerdydd	"Daethom, gwelwom, aethom â samplau yn ôl i'r Ddaear"
Dydd Iau 3 Rhedyr 7.00 pm	Yr Athro Jon Blason, Prifysgol Caerdydd	"Iechyd Meddwl a Phandemig COVID-19"
Dydd Iau 14 Ionawr 7.00 pm	Yr Athro Syr Michael Marmot, Coleg Prifysgol Llundain	"Cyflwnder cymdeithasol, ecwiti iechyd a COVID-19"
Dydd Iau 25 Chwefror 7.00 pm	Dr Anna Dixon, Canolfan Heneldio'n Well, Llundain	"Heneldio'n iach ar adeg COVID-19: sut gallwn ni greu cymdeithas lle rydym ni i gyd yn heneldio'n well?"
Mis Mawrth (dyddiad i'w goddefnau)	Yr Athro Claudia Hammond, Prifysgol Sussex a darlithwr ac awdur arloyn	"Gorffwys yn oes COVID-19"

Am ymholiadau neu ragor o wybodaeth: medicengagement@caerdydd.ac.uk
@CUmedicengage

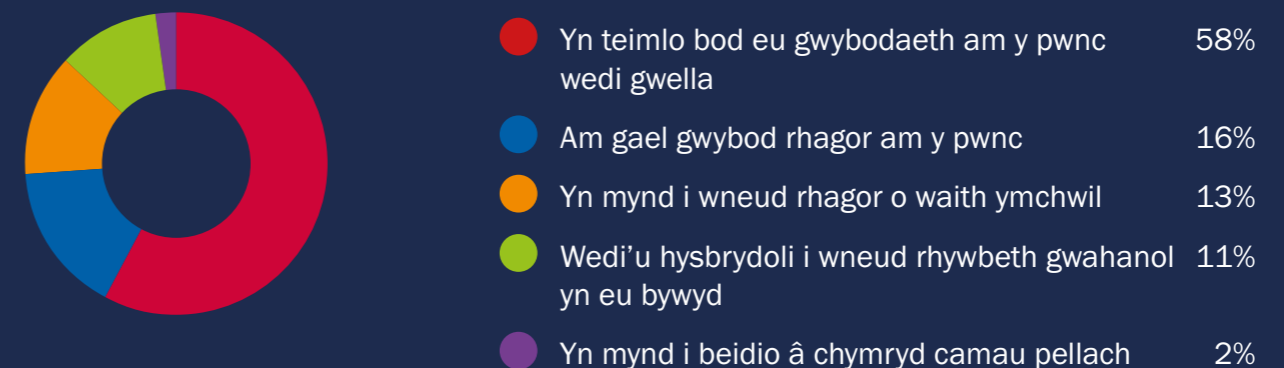
Ymunodd y rhai a oedd yn bresennol o:



Y rheswm dros fod yn bresennol oedd:



O ganlyniad i fod yn bresennol, roedden:



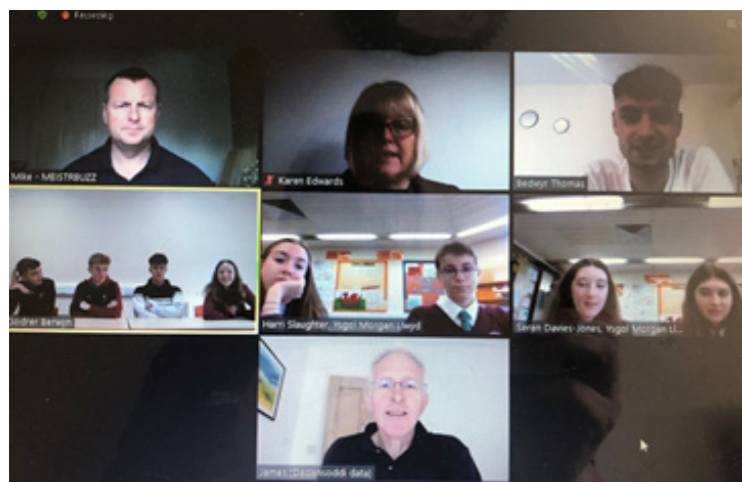
Gwyddoniaeth ym Maes Iechyd – Her Gwyddorau Bywyd

Mae'r Her Gwyddorau Bywyd yn gystadleuaeth cwis cenedlaethol rhwng ysgolion a ddarperir yn y Gymraeg a Saesneg, ar gyfer disgyblion Blwyddyn 10/11. Bob blwyddyn, caiff cwis newydd ei ddylunio a'i ddarparu gan fyfyrwyr PhD, ymchwilwyr ar ddechrau eu gyrfa a staff.

Mae'r digwyddiad yn rhoi cyfle i ddisgyblion gwrrdd â gwyddonwyr ifanc sy'n gweithio'n lleol, ac mae'n profi gallu disgyblion i ddadansoddi data a defnyddio rhesymeg a gwybodaeth a ddysgwyd i ddelio â chysyniadau anghyfarwydd, i'w helpu i ddeall y byd byw.



Cynhaliwyd y rownd ragarweiniol ar-lein ym mis Chwefror 2020. Oherwydd effaith y pandemig ar ysgolion, cynhaliwyd y rownd gogynderfynol, y rownd gynderfynol a'r rownd derfynol Saesneg yn nhymor yr hydref 2020. Cynhaliwyd y rownd derfynol Gymraeg ym mis Mehefin 2021.



Cyrhaeddiad:

- Daeth 218 o dimau (872 disgybl) o 67 ysgol o bob cwr o Gymru i'r cwis ar-lein.

Effaith:

- Codi ymwybyddiaeth ac ysbrydoli disgyblion i ystyried posibiladau gyrfaedd mewn gwyddoniaeth a meddygaeth
- Cynyddu dealltwriaeth o rôl gwyddoniaeth ym maes iechyd
- Hwrwyddo gwaith ac ymchwil y Brifysgol yn y disgyblaethau gwyddoniaeth a gofal iechyd
- Disgyblion ysgol yn rhwydweithio gydag ysgolion eraill
- Cydnabod ac yn gwobrwyo cyflawniad mewn mathemateg a gwyddoniaeth



Ysgol y Gadeirlan yng Nghaerdydd oedd enillwyr y cwis Saesneg yn 2020.

Meddai'r athro Andrew Vaughan:

"Dyweddodd pawb ar y tîm pa mor wych oedd y cwis a faint roedd wedi eu hysbrydoli; o ganlyniad, dywedodd un aelod o'r tîm ei fod bellach yn bendant yn ystyried dilyn gyrfa ym maes Gwyddorau Bywyd – sy'n wych! Roedd cystadleuaeth eleni'n dda iawn, a dw i'n meddwl bod y fformat ar-lein wedi gweithio'n dda ar ôl i'r problemau technoleg gael eu datrys. Ro'n i wrth fy modd gyda'r ystod o rowndiau unwaith eto, a'r gwaith meddwl amlwg oedd y tu cefn iddyn nhw. Roedd lefel anhawster y cwestiynau'n berffaith. Diolch yn fawr am drefnu popeth a diolch i'r tîm cyfan am yr amser a'r ymdrech wrth baratoi a gweinyddu'r cwis – cafodd ei werthfawrogi'n fawr, a dw i mor falch ei fod bellach yn cael y gydnabyddiaeth yn genedlaethol mae'n ei haeddu!"

Ysgrifennodd Sarah Kaneen, aelod o'r tîm buddugol:

"Am y tro cyntaf ers i Ysgol y Gadeirlan ddechrau cystadlu yn yr Her ac ar ôl cyrraedd y rownd derfynol ar sawl achlysur, llwyddon ni o'r diwedd i ennill y gystadleuaeth fawreddog hon, gan guro Ysgol Gyfun Porthcawl ar bwyntiau mewn rownd derfynol agos. Roedd pob rownd yn cynnwys cwestiynau dirdynol, o'r math lle mae angen cadw bys ar y botwm, ynghyd ag adrannau hirach lle roedd angen deall y cynnwys a dehongli gwybodaeth. Hefyd roedd dingbats, cwestiynau cyfrifo, a ffefryn pawb: rownd y caneuon (lle roedd yn rhaid i ni sillafu enw'r artist gan ddefnyddio elfennau o'r tabl cyfnodol!)." Roedd yn gyfle gwych i bob un ohonon ni, gan fod gennym ni i gyd ddiddordeb arbennig yn y gwyddorau; cawson ni i gyd ein hysbrydoli a dysgu llawer iawn."



Ysgol Tryfan oedd enillwyr y cwis Cymraeg, gan gadw eu teitl buddugol o gystadleuaeth 2019.

Meddai'r athrawes Nia Jones:

"Diolch unwaith eto, yn enwedig am barhau â'r gystadleuaeth er gwaetha'r holl gymhlethdodau eleni, mae llawer o gystadlaethau eraill wedi'u canslo. Mae faint o waith paratoi sy'n cael ei wneud ar gyfer y cwis yn anhygoel, o ran y trefnu ac ansawdd y cwestiynau. Dw i wedi bod i nifer ohonyn nhw erbyn hyn, ac mae pob un wedi bod yn unigryw. Mae'r disgyblion wir yn mwynhau ac yn cael ymdeimlad o gyflawniad bob tro."

Gwyddoniaeth ym Maes Iechyd yn Fyw Ar-lein

Mae Gwyddoniaeth ym Maes Iechyd yn Fyw! yn parhau i ddarparu cyfleoedd i ddisgyblion blwyddyn 12 ddysgu rhagor am y darganfyddiadau gwyddoniaeth diweddaraf a gydnabyddir yn rhyngwladol sy'n digwydd yn yr Ysgol Meddygaeth, a sut maen nhw'n cael effaith wirioneddol ar ymarfer meddygol a chlinigol ledled y byd. Mae'r digwyddiad unigryw hwn hefyd yn dangos yr ystod eang o yrfaedd sydd ar gael ym maes gwyddoniaeth ac iechyd ac yn ysbrydoli ei fynychwyr i ystyried dilyn llwybr gyrfa yn y meysydd hynny.

Cynhaliwyd digwyddiad 2021 yn rhithwir, gan gynnig cyfuniad o 25 o adnoddau wedi'u recordio ymlaen llaw a phedair sesiwn fyw ar-lein dros ddau ddiwrnod ym mis Mawrth 2021. Cofrestrodd 464 o ddisgyblion i dderbyn y rhaglen ryngweithiol gyda dolenni i'r holl adnoddau. Roedd presenoldeb yn y sesiynau byw yn amrywio o 80 i dros 200.

Roedd y cyfleoedd a gynigiwyd i gyfranogwyr yn cynnwys:

- Cwrdd ag ystod o'n hymchwilyr a'n darlithwyr.
- Cymryd rhan yn ein sesiwn 'Dyfalw'r Gweithiwr Gofal Iechyd Proffesiynol' i ddod i ddeall rhai o'r ystod eang o yrfaedd sydd ar gael.
- Gofyn cwestiynau i'n panel o wyddonwyr sy'n gweithio ar COVID-19.
- Gweld y tu mewn i rai o'n labordai a chlywed am yr ymchwil ddiweddaraf sy'n digwydd.
- Holi panel o arbenigwyr (gan gynnwys israddedigion meddygol, myfyrwyr PhD, Ymchwilyr ar Ddechrau eu Gyrfya, staff Derbyn Myfyrwyr).
- Cymryd rhan mewn cwis gwyddoniaeth ar-lein gyda gwobrau taleb.

Cyrhaeddiad:

- Dros 400 o ddisgyblion o 92 o ysgolion Cymru
- 36 o ddisgyblion o 17 o ysgolion eraill yn y DU

Effaith:

- Nododd 76% eu bod yn fwy tebygol o astudio ym Mhrifysgol Caerdydd ar ôl mynychu'r digwyddiad
- Cytunodd 70% yn gryf fod y digwyddiad wedi eu hysbrydoli tuag at yrfa mewn gwyddoniaeth ym maes iechyd
- Roedd 95% yn teimlo bod y digwyddiad wedi eu helpu i hyrwyddo eu nodau gyrfa i'r dyfodol
- Roedd 69% yn credu y byddai cymryd rhan yn y sesiynau byw yn eu helpu i gwblhau eu ceisiadau UCAS



Ysgrifennodd Martin Blamey, un o'r rhai a oedd yn bresennol ac athro yn Ysgol Gyfun y Bont-faen:

"Hoffwn ddiolch o galon i chi a'r holl dîm a drefnodd raglen mor wych eleni. Mae'n amlwg bod llawer iawn o ymdrech wedi'i gwneud ac ystyriaeth wedi'i rhoi wrth gynllunio a threfnu'r digwyddiad eleni, gan ei fod wedi cynnwys cyflwyniadau, trafodaethau, fideos, teithiau rhithwir, cwisiau a mwy. Gallwch fod yn sicr bod y digwyddiad wedi bod mor werthfawr i ddisgyblion Ysgol Gyfun y Bont-faen. O ystyried amrywiaeth y gweithgareddau a'r cyfranwyr, rwy'n credu y gwnaeth ragori ar y digwyddiadau 'Byw', y byddwch yn gwybod fy mod wedi mynd iddynt yn y gorffennol!!"

Ar ran yr ysgol a'n holl ddisgyblion unwaith eto, diolch yn fawr iawn. Rydym yn teimlo'n ffodus iawn am gael y cyfle hwn."

Ar ôl mynd i'r digwyddiad Gwyddoniaeth ym Maes Iechyd Byw, dywedodd y disgyblion y byddent yn gwneud y canlynol:

"Ystyried yr hyn a ddysgwyr gennyf"

"Gwneud mwy o ymchwil i yrfaedd ym maes iechyd"

"Ystyried y pynciau a drafodwyd a sut maent wedi cynyddu fy hyder i ddewis gyrfa ym maes meddygaeth yn y dyfodol a dewis Prifysgol Caerdydd yn gyntaf wrth wneud cais"

"Ystyried fy natganiad personol ar ôl y sesiwn hon"

"Astudio'n galed er mwyn gallu cyrraedd fy nodau a dechrau ar fy ngyrfa ddefnyddol"

Gwyddoniaeth ym Maes Iechyd – Rhaglen Profiad Gwaith Rhithwir

Dechreuwyd y cynllun profiad gwaith labordy ar gyfer disgyblion chweched dosbarth ar raddfa fach yn 2010. Mae'r cynllun wedi tyfu dros y blynyddoedd ac erbyn hyn mae'n ddigwyddiad llawer mwy, gan groesawu hyd at 60 o ddisgyblion dros gyfnod o bedair wythnos bob mis Mehefin a mis Gorffennaf. Yn anffodus, cafodd rhaglen 2020 ei chanslo oherwydd cyfyngiadau Covid-19, felly penderfynwyd creu cynllun profiad gwaith "rhithwir" ar gyfer 2021.

Cafwyd ychydig o dan 60 o geisiadau a chynigiwyd lle i bob un ohonynt. Derbyniodd 45 y cynnig, a chynhaliwyd y cynllun am wythnos ddiwedd mis Mehefin.

Cyn i'r rhaglen ddechrau, gwahoddwyd ymchwilwyr o'r Ysgol Meddygaeth i gymryd rhan yn y gwaith o ffilmio arbrofion yn eu labordai. Gwirfoddolodd tri grŵp ac ymwelodd cwmni ffilmio proffesiynol â'r labordai i'w ffilmio wrth eu gwaith, a chyfweld â myfyrwyr PhD a staff am eu hymchwil.

Roedd y rhaglen yn cynnwys:

- Sesiwn groeso a chwis ar-lein i amlygu'r pethau annisgwyl a'r heriau sydd i'w cael mewn ymchwil fiofeddygol.
- Sgyrsiau am y defnydd o anifeiliaid mewn gwaith ymchwil, gan gynnwys y ddeddfwriaeth a'r amodau hwsmonaeth sy'n gysylltiedig â bywddyraniad.
- Ffilmiau wedi'u recordio ymlaen llaw i'w gwyllo, ac yna sesiwn holi ac ateb ar-lein fyw gyda'r ymchwilydd/ymchwilwyr a gymerodd ran ym mhob ffilm i'w holi am eu hymchwil, eu hastudiaethau a'u cydbwysedd rhwng bywyd a gwaith.
- Sesiwn Holi'r Panel gyda myfyrwyr meddygol a PhD, lle gallai cyfranogwyr holi panelwyr ynghylch gwneud cais i'r brifysgol, ysgrifennu datganiadau personol, ymdrin â chyfweliadau, bywyd fel myfyriwr, astudio yng Nghaerdydd.

Cyrhaeddiad:

45 o ddisgyblion o:

- 23 o ysgolion/collegau Cymru
- 8 o ysgolion/collegau Lloegr
- 2 o golegau Gogledd Iwerddon

Effaith:

Nod y cynllun profiad gwaith o'r dechrau yw trochi'r disgyblion ym myd ymchwil a meddygaeth, drwy dreulio amser mewn labordai a siarad â staff a myfyrwyr ar draws yr Ysgol Meddygaeth. Rhoddodd rhaglen yr wythnos flas i'r cyfranogwyr o'r hyn sy'n digwydd mewn labordai ac ymchwil "bywyd go iawn" a chynigiodd gyfle i ofyn cwestiynau i staff a myfyrwyr ar wahanol gamau o'u gyrfaedd.

O'r disgyblion a gymerodd ran yn yr arolwg adborth:

- Dywedodd 62% eu bod yn fwy tebygol o astudio ym Mhrifysgol Caerdydd ar ôl cymryd rhan yn y rhaglen.
- Cytunodd 69% yn gryf fod y rhaglen wedi eu hysbrydoli i ystyried gyrfa gwyddoniaeth ym maes iechyd.
- Roedd 100% yn teimlo bod y rhaglen wedi eu helpu i ymestyn eu nodau ar gyfer gyrfa yn y dyfodol.
- Roedd 100% o'r farn y byddai eu profiadau yn ystod yr wythnos yn eu helpu i lunio eu cais UCAS.



Pan ofynnwyd i'r rhai a oedd yn bresennol beth y gwnaethant ei fwynhau'n arbennig wrth gymryd rhan yn y rhaglen, eu sylwadau oedd:

"Cael gwybod am ymchwil ar anifeiliaid"

"Cael cipolwg ar wahanol elfennau meddygaeth"

"Y ffaith bod pawb mor garedig a theimlo'n angerddol am yr hyn y maent yn ei wneud – mae'n ysbrydoledig."

"Y manylder wrth esbonio rhai o'r cysyniadau gwyddonol."

"Cael gwybod am fywyd myfyrwyr a'r hyn y mae myfyrwyr PhD yn ei wneud."

"Y ffaith bod agwedd y bobl y tu ôl i'r prosiect tuag at ddyfodol gwyddoniaeth mor gadarnhaol!"

Llysgenhadon MEDIC

Yn 2017-18, lansiodd yr Ysgol Meddygaeth gynllun Llysgenhadon MEDIC, gyda dau brif ddioben:

- Ehangu'r gwaith ymgysylltu ag ysgolion a chymunedau Cymru gan roi cymorth a mentora ychwanegol i ddisgyblion ac athrawon, mireinio'r cwricwlwm a chodi dyheadau o safbwynt yr Ysgol Meddygaeth
- Gwella medrau mentora, addysgeg, cyfathrebu a chyflogadwyedd ymhlith staff a myfyrwyr.

Yn 2021, mae dros 150 o fyfyrwyr o'r holl flynyddoedd astudio wedi'u cofrestru'n Llysgenhadon MEDIC.

Cyrhaeddiad:

Yn ystod blwyddyn academaidd 2020-2021, roedd y cyfranogiad fel a ganlyn:

Ysgolion uwchradd a cholegau

- Sesiwn fyw ar-lein Holi'r Panel – Gwyddoniaeth ym Maes Iechyd yn Fyw
- Sesiwn fyw ar-lein Holi'r Panel – Profiad Gwaith Rhithwir Gwyddoniaeth ym Maes Iechyd

Ysgolion cynradd

- Ysbrydoli'r Dyfodol, Ysgol Gynradd Tredegarville (60 o ddisgyblion Blynyddoedd 5 a 6)
- Cynhyrchu fideo Gweithdy Corff Dynol i gyd-fynd â'r Cwricwlwm i Gymru
- [Gweithdy corff dynol – Astudio – Prifysgol Caerdydd](#)

Mae 8 o Lysgenhadon MEDIC wedi cymryd rhan yn y digwyddiadau uchod (rhai ar sawl achlysur).

Effaith:

Yr effeithiau ar staff, cyn-fyfyrwyr a myfyrwyr y brifysgol yw:

- Meithrin medrau cyflogadwyedd
- Mireinio medrau cyfathrebu
- Hybu'r Cwricwlwm Gwladol
- Ysbrydoli gwyddonwyr, meddygon a gweithwyr gofal iechyd proffesiynol y dyfodol
- Hwyluso strategaethau denu myfyrwyr Prifysgol Caerdydd
- Meithrin cysylltiadau ag ysgolion, gan gynnig gweithgareddau dysgu diddorol ac ysgogol.

Mae'r effeithiau ar ysgolion ac athrawon yn cynnwys:

- Cymorth ynghylch cyflwyno'r cwricwlwm
- Dysgu gwell wedi'i ategu gan enghreifftiau o 'ysgol profiad'
- Ysbrydoli athrawon a disgyblion a chodi dyheadau gyrfaol
- Partneriaeth hirdymor ag Ysgol Meddygaeth Prifysgol Caerdydd

Meddai Kestra Dawson, Llysgennad MEDIC, a gyd-gyflwynodd y sgwrs ag Ysgol Gynradd Tredegarville gyda'i chyd-fyfyrwr Georgia Mills:

“Dechreuais drwy gyflwyno fy hunan a gofyn cwestiynau am yr hyn mae meddygon yn ei wneud, ble gallech ddod o hyd iddyn nhw, gyda phwy maen nhw'n gweithio a pha offer maen nhw'n ei ddefnyddio. Yna, fe ddangosais rywffaint o'r offer iddyn nhw – stethosgop, peiriant BP, rhwymynnau – a gofyn ar gyfer beth rydyn ni'n eu defnyddio. Gofynnais pa organau sydd gennym ni a dangos rhai modelau iddyn nhw.

Yna, fe siaradon ni am y coronafeirws: Dangosais sbyngau fel ysgyfaint, pelydr-x o'r frest a sgerbwd. Yna buon ni'n trafod beth yw PPE, fe wisgais i fy sgrymbiau clinigol, ffedog, menig a mwgwd (ro'n i wedi dod â nhw o'r gwaith yng nghanolfan brofi Rodney Parade). Buon ni'n siarad am yr hyn sy'n digwydd yn y ganolfan brofi (gan ddangos y ffon gwlan cotwm) ac yn ateb cwestiynau/pryderon ac ati.

Yn olaf, bues i'n ateb eu cwestiynau. Cafwyd rhai cwestiynau deallus iawn am fod yn feddyg a choronafeirws yn gyffredinol. Do'n i ddim yn gwybod yr atebion i rai o'u cwestiynau, er enghraifft 'faint o bobl yn y byd sydd wedi cael coronafeirws', gan nad oedd hyn yn rhywbeth ro'n i wedi'i ddisgwyl!

Ond ar y cyfan, roedd yn gweithio'n dda iawn. Roedd yr athrawon yn hyfryd ac yn cynorthwyo (dewis disgyblion i ateb fy nghwestiynau) ac roedd y plant yn ymddwyn yn dda iawn, yn gwrando'n astud ac yn cymryd rhan.”

Rhoddodd Yvonne Jones, athrawes o Ysgol Tredegarville yr adborth canlynol:

“Oherwydd COVID, cynhaliwyd y sesiwn yn llwyddiannus iawn ar Microsoft Teams, ond yn amlwg byddai wedi bod yn well cwrdd â'r myfyrwyr wyneb yn wyneb. Roedd y plant wedi mwynhau sgwrsio ag ymwelydd iau yn fawr iawn. Roedden nhw'n mwynhau gofyn cwestiynau, edrych ar y stethosgop a dysgu am rannau o'r corff.

Roedd y myfyrwyr meddygol wedi paratoi'n dda iawn, roedd ganddyn nhw syniadau hyfryd am beth i'w ddweud ac roedd ganddyn nhw naws berffaith ar gyfer siarad â phlant o'r oedran hwn. Diolch i'r ddau ohonyn nhw.”

Cynllun Mentora Ehangu Mynediad i Feddygaeth (WAMMS)

Cynllun mentora meddygol a arweinir gan fyfyrwyr yw WAMMS, a gynlluniwyd i godi dyheadau disgyblion ysgolion gwladol Cymru i astudio Meddygaeth, cynorthwyo'r disgyblion hyn gyda'r broses ymgeisio, a chynyddu nifer yr ymgeiswyr llwyddiannus.

Maent yn cynnal sesiynau sy'n amrywio o 'beth yw meddygaeth?' i wahanol agweddau ar geisiadau UCAS. Fe gynhalion nhw ein ffug gyfweiliadau cyntaf yn ystod y flwyddyn ddiwethaf hefyd, ochr yn ochr â threfnu Cynhadledd Ymgeiswyr Meddygaeth Genedlaethol gyntaf Cymru ym mis Mehefin 2021.

Mae gan WAMMS dudalennau cyfryngau cymdeithasol ar Twitter, Instagram a Facebook, lle maent yn postio cynnwys dyddiol sy'n ymdrin â'r gwahanol agweddau ar wneud cais i'r Ysgol Meddygaeth, ochr yn ochr â cheisio ysbrydoli gyrfaoedd mewn meddygaeth, drwy eu cyfres gyrfaoedd, a hefyd gyrfaoedd yng Nghymru, drwy eu cyfres Cymru bob dydd Mercher.

Cyrhaeddiad:

- Ymgysylltwyd â 43 o ysgolion:
 - Cafodd 23 o ysgolion ymweliadau ysgol unigol.
 - Cymerodd 9 ysgol ran yn y panel a'r gyfres o gyfweiliadau byrion (MMI).
 - Cymerodd 11 o ysgolion ran yn y ffug gyfweiliadau a chael ymweliadau ysgol unigol.
- Trefnwyd 55 o sesiynau – 52 o sesiynau ysgol unigol, 3 ffug gyfweiliad (1 panel, 2 MMI).
- Presenoldeb mewn cynadledau:
 - Diwrnod 1: 208 wedi cofrestru
 - Diwrnod 2: 138 wedi cofrestru

Effaith:


- Sicrhau bod myfyrwyr meddygaeth israddedig yn fwy gweladwy mewn ysgolion ledled Cymru
- Cydnabod gwerth cymorth a mentora cymheiriaid i ddisgyblion yng Nghymru sy'n ystyried meddygaeth
- Cyfle i fyfyrwyr meddygaeth israddedig ddatblygu eu sgiliau ymgysylltu â chyfathrebu
- Cefnogi blaenoriaeth Llywodraeth Cymru i gynyddu nifer y disgyblion sy'n byw yng Nghymru sy'n gwneud cais i astudio meddygaeth


WAMMS

Cyfryngau cymdeithasol

160 negeseuon

 346 dilynwyr

 333 dilynwyr

 270 dilynwyr



Map o'r ysgolion a ymgysylltwyd â nhw yn 2020-21

Roedd yr adborth gan ysgolion yn cynnwys y canlynol:

“Yn ystod y flwyddyn academaidd ddiwethaf, helpodd WAMMS bedwar o'n disgyblion Blwyddyn 13 i gael llefydd mewn ysgolion meddygaeth, tri yng Nghaerdydd ac un yng Nghaerwysg. Heb os, roedd y gweithdai a'r cyngor a ddarparwyd gan WAMMS (yn enwedig yn gweithdy MMI rhithwir) yn allweddol i'w helpu i gyflawni eu nod o astudio meddygaeth.”

“Does dim amheuaeth yn fy meddwl bod WAMMS yn darparu'r cymorth ychwanegol sydd ei angen ar ddisgyblion Blwyddyn 13 er mwyn llywio'r broses ymgeisio hynod gystadleuol. Mae cael cyngor ystyrlon gan fyfyrwyr meddygaeth presennol yn rhoi hwb i'w hyder a hefyd yn helpu i leddfu eu hofnau ynghylch proses UCAS.”

“Rydyn ni'n edrych ymlaen at weithio gyda chi eto eleni, ac os oes unrhyw beth arall y gallwn ei wneud i helpu'r cynllun, cofiwch gysylltu â ni.”

“Roeddwn i am anfon e-bost atoch i ddweud diolch am y gefnogaeth a roddoch i ddau o'n disgyblion y llynedd, ac mae'r ddau'n dechrau mewn ysgolion meddygaeth. Roedd y gefnogaeth a gawsant yn wych. Mae gennyf un neu ddau o ddisgyblion ym Mlwyddyn 13 sy'n bwriadu gwneud cais i astudio meddygaeth a rhywfaint o ddiddordeb ym Mlwyddyn 12 hefyd. Byddai'n wych gweithio gyda chi unwaith eto eleni.”

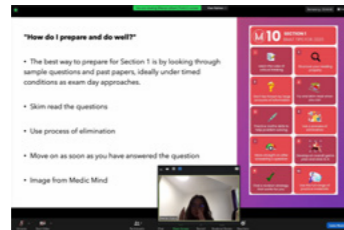
Cymdeithas MediCan

Cymdeithas arloesol yw MediCan, â'i bwriad yw dod â chyfleoedd meddygol i'r gymuned leol. Byddant yn gweithio gydag ysgolion gwladol yn yr ardal i gynorthwyo disgyblion ifanc ac uchelgeisiol i fynd i ysgolion meddygaeth. Mae bwlch eang a diangen mewn ymgeiswyr meddygaeth a myfyrwyr rhwng ysgolion gwladol a chyhoeddus, felly maen nhw'n gobeithio cefnogi newid iach drwy ddarparu sgiliau allweddol.

Yn y flwyddyn academaidd hon mae'r Gymdeithas wedi cynnal y gweithgareddau canlynol:

- Ffug Gyfweiliadau MMI – a gynhaliwyd drwy Zoom gyda disgyblion meddygaeth yn asesu myfyrwyr ac yn rhoi adborth.

- Dosbarth Meistr Ceisiadau am Gyrsiau Meddygaeth – Gweminar Zoom rhwng 9am a 4pm yn ymdrin â phob agwedd ar y broses ymgeisio am gyrsiau meddygaeth.



- Cynllun Mentora – Sgyrsiau grŵp WhatsApp a wnaed ar gyfer disgyblion blwyddyn 12 gyda mentoriaid myfyrwyr meddygaeth penodedig a oedd yno i helpu ac arwain disgyblion blwyddyn 12 gyda'u cais meddygaeth.

Cyrhaeddiad:

Daeth disgyblion o bum ysgol i'r digwyddiadau:

- Ffug Gyfweiliadau MMI: 50-60
- Dosbarth Meistr Ceisiadau am Gyrsiau Meddygaeth: 40
- Cynllun Mentora: 18

Effaith:

Llwyddodd yr holl weithgareddau i gael effaith gadarnhaol ar y disgyblion gan eu bod yn darparu'r wybodaeth sydd ei hangen i fynd drwy'r broses derbyn ar gyfer cyrsiau meddygaeth drwy'r dosbarth

meistr. Roedd y ffug gyfweiliadau MMI hefyd yn gyfle i'r disgyblion gymhwyso'r wybodaeth hon a chael teimlad o sut mae cyfweiliadau'n cael eu cynnal, ac roedd y cynllun mentora yn galluogi'r disgyblion i gael cymorth a chefnogaeth un i un gan fyfyrwyr meddygaeth presennol. Sefydlwyd hwn ar gyfer disgyblion blwyddyn 12 y llynedd ond mae'n dal i gael ei ddefnyddio ganddynt gan eu bod yn mynd drwy'r cylch ymgeisio eleni ac mae'n ymddangos ei fod yn ddefnyddiol iawn iddynt.

Roedd yr adborth gan ddisgyblion yn cynnwys:

“Roedd trafod pob manylyn bach yn ddefnyddiol iawn yn enwedig y ffug gyfweiliadau. Dw i'n meddwl eich bod chi'n wych. Diolch yn fawr iawn!”

“Yn llawn gwybodaeth a defnyddiol iawn.”

“Ro'n i'n hoffi pa mor ddiddorol oedd yr holl gyflwyniadau ac rwy'n credu ei fod wedi rhoi cipolwg da iawn ar fywyd fel myfyriwr meddygaeth ac wedi ein dysgu sut i wneud cais yn dda.”

“Cafodd pob rhan o'r broses ymgeisio ei thrafod yn fanwl gydag enghreifftiau da.”

“Efallai nad sesiynau hir, ond yn hytrach byddai sesiynau byrrach ond amlach yn dda. Roedd yn ddefnyddiol iawn serch hynny, diolch.”

Rhwydwaith Geneteg ar gyfer Athrawon Parc Geneteg Cymru

Sefydlwyd y Rhwydwaith Geneteg ar gyfer Athrawon yn 2006. Mae wedi'i anelu at athrawon bioleg sy'n dymuno cael y wybodaeth ddiweddaraf am geneteg a genomeg, a gwahoddir ysgolion a cholegau ledled Cymru (a siroedd ffiniol yn Lloegr) i ymuno â'r rhwydwaith am ddim.

Mae aelodau'r rhwydwaith yn derbyn cylchlythyr bob tymor sy'n cynnwys erthyglau ar eneteg gyfredol a materion yn ymwneud â genomeg, ynghyd â gwybodaeth am wefannau perthnasol, adnoddau addysgol a digwyddiadau sydd ar ddod. Anogir aelodau i anfon erthyglau ac adborth gyda sylwadau a cheisiadau am rifynnau yn y dyfodol.

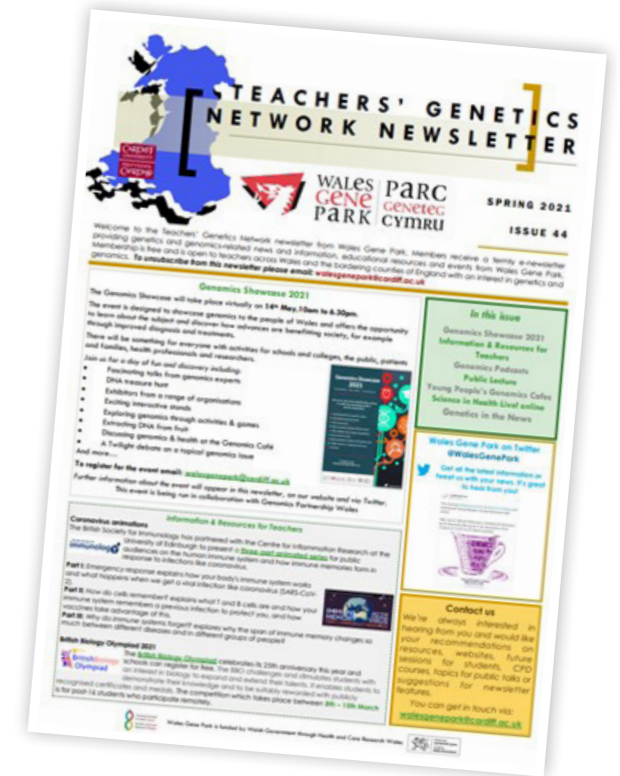
Trwy'r Rhwydwaith Geneteg ar gyfer Athrawon, mae Parc Geneteg Cymru hefyd yn hwyluso cyfleoedd perthnasol eraill i ysgolion a cholegau, fel cyfleoedd i gymryd rhan mewn ymgynghoriadau lle mae sefydliadau (e.e. Llywodraeth Cymru, yr Awdurdod Ffrwythloni Dynol ac Embryoleg) yn gofyn am adborth neu farn ar faterion genetig/genomig sy'n gysylltiedig â gwyddoniaeth neu iechyd.

Cyrhaeddiad:

- Ar hyn o bryd mae dros 400 o athrawon gwyddoniaeth a/neu fioleg yn aelodau o'r rhwydwaith.

Effaith:

- Presenoldeb mewn digwyddiadau a hysbysebwr drwy'r cylchlythyr (e.e. Cynhadledd Chweched Dosbarth, Sioe Deithiol Ysgolion, DPP Geneteg Athrawon) – gall y rhain fod yn ddigwyddiadau Parc Geneteg Cymru neu'n rhai a drefnir gan eraill (e.e. Gwyddoniaeth ym Maes Iechyd Yn Fyw).
- Cydweithio ag ysgolion (e.e. ar brosiectau peilot).
- Cyfleoedd i ysgolion gymryd rhan mewn ymatebion ymgynghoriadau.



Adborth/gwerthusiad:

- Adborth anffurfiol gan aelodau'r rhwydwaith ar gynnwys cylchlythyrau; digwyddiadau; gweithgareddau ymgysylltu.
- Metrigau cofrestru â'r rhwydwaith ar gyfer ysgolion ac athrawon.

Ystyried gwneud cais i astudio Meddygaeth? Adnoddau i Ddarpar Fyfyrrwyr

Dr Rhiannedd Tudor Jones, Dr Sue Emerson, Vicki Roylance, y Ganolfan Addysg Feddygol



Creodd aelodau o staff o'r Ganolfan Addysg Feddygol ganllaw dwyieithog cynhwysfawr yn darparu arweiniad, awgrymiadau a dolenni i adnoddau a gwybodaeth i ddarpar ymgeiswyr mewn ysgolion meddygaeth.

Bwriad hyn oedd cefnogi a chryfhau ceisiadau disgyblion, yn enwedig gan y gallai cael mynediad at brofiad

gwaith ac arweiniad drwy ysgolion a cholegau fod yn anoddach dros gyfnod y pandemig. Mae wedi cael ei ddsbarthu a'i ddefnyddio'n eang gan ddarpar fyfyrwyr ledled Cymru a gweddill y DU.

Cyrhaeddiad:

- Cyfranogwyr Rhwydwaith Seren sy'n targedu meddygaeth.
- Cyfranogwyr Ysgol Haf Ymddiriedolaeth Sutton Meddygaeth Caerdydd.
- Ymgeiswyr sy'n cyflwyno ymholiadau i dîm derbyniadau meddyginiaeth Caerdydd ynghylch profiad gwaith/datganiadau personol.
- Cyfranogwyr Doctoriaid Yfory (110).
- Cedwir ar wefan Prifysgol Caerdydd, felly mae ar gael i unrhyw ddarpar ymgeiswyr.
- Wedi'i ddefnyddio gan gydweithwyr ym Mhrifysgol Abertawe – profiad gwaith, myfyrwyr yn cael eu mentora o dan gynllun Cronfa Mullany a rhaglen y Coleg Cymraeg (tua 40 o fyfyrwyr).

- Cyfranogwyr gweithgareddau allgymorth Coleg Brenhinol Ymarferwyr Cyffredinol Cymru (>400).
- Dosbarthwyd i bob ysgol uwchradd yng Nghymru i'w ddefnyddio gan eu disgyblion/timau gyrfaedd ac i ysgolion a cholegau ledled y DU gan Dîm Cyswllt Ysgolion Prifysgol Caerdydd.
- WAMMS Caerdydd i'w ddefnyddio yn eu gweithgareddau.

Effaith:

- Cefnogi darpar ymgeiswyr i wneud cais cryf ar gyfer cwrs meddygaeth.
- Lleihau anghydraddoldeb o ran mynediad at ganllawiau a chyfeirio at adnoddau.
- Cynyddu hyder ymhlith darpar ymgeiswyr tra bod mynediad at brofiadau gwaith a gwirfoddoli wedi gorfod cael ei gyfyngu.
- Creu argraff gadarnhaol ymhlith darpar ymgeiswyr bod Ysgol Meddygaeth Caerdydd yn amgylchedd cefnogol a chynhwysol.
- Ar gael yn barhaol ar wefannau Prifysgol Caerdydd fel y gall grwpiau neu unigolion gael mynediad/rhannu'r ddolen yn hawdd a fydd wedyn yn mynd â nhw'n uniongyrchol i'r fersiwn ddiweddaraf wrth iddo gael ei adolygu a'i addasu'n flynyddol.

Roedd yr adborth gan ddefnyddwyr yn cynnwys:

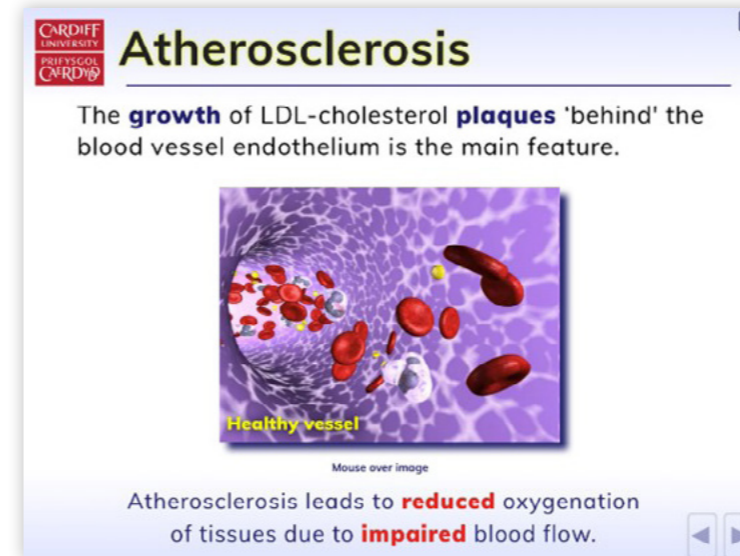
“Gwych!”

“Does dim byd arall tebyg i hyn.”

“Adnodd ardderchog i ddarpar fyfyrwyr.”

Cyflwyniad Rhithwir ar Glefyd Cardiofasgwlaidd

Rhoddodd yr Athro Marcus Coffey, Athro mewn Addysg Feddygol (Ffarmacolegydd/Biocemegydd), gyflwyniad rhithwir ar Glefyd Cardiofasgwlaidd i ddisgyblion chweched dosbarth yn Ysgol Gyfun y Bont-faen.



Cyrhaeddiad:

- Deg disgybl chweched dosbarth, Ysgol Gyfun y Bont-faen

Effaith:

- Yn y sesiwn 90 munud, rhoddwyd cyfle i ddisgyblion ofyn eu cwestiynau am y pwnc i'r Athro Coffey.

Adborth/gwerthusiad:

Ysgrifennodd yr athro Martin Blamey:

“Roeddwn i'n ddiolchgar iawn i'r Athro Coffey am roi o'i amser i gynnig cyflwyniad diddorol! Roedd yn ymddangos yn arbennig o awyddus i gynnig ei gefnogaeth. Dywedodd ei fod wedi cael ei addysgu mewn ysgol gyfun 'gyffredin' yng Nghernyw lle nad oedd llawer o gyfleoedd o'r math roedd ein disgyblion yn y Bont-faen yn gallu elwa ohono erbyn hyn!

“Ond gallaf ddweud bod ei gyflwyniad yn arbennig o fanteisiol i un o'n disgyblion, Hannah. Roedd hi wedi penderfynu (o'i gwirfodd) cyflwyno traethawd ar glefyd cardiofasgwlaidd fel rhan o raglen allgymorth ar gyfer disgyblion ysgol a drefnwyd gan Goleg Gonville a Caius, Prifysgol Caergrawnt, gyda'r nod o'u helpu i “ddatblygu eu diddordebau uwchgwricwlaidd”. Pwnc ei thraethawd oedd “A fydd mwy nag 1 o bob 3 o bobl yn marw o glefyd cardiofasgwlaidd yn y 50 mlynedd nesaf?”

Rwy'n falch iawn o ddweud bod cyflwyniad Hannah wedi arwain at wahoddiad iddi ymweld â'r Coleg! Pan fyddwch chi'n ystyried pwy arall a allai fod wedi cymryd rhan, mae hwn yn ganlyniad clodwiw iawn! Y peth diddorol yw nad oedd hi wedi meddwl am wneud cais i Gaergrawnt cyn hynny! Dim ond ymarfer academaidd diddorol oedd e iddi hi!”

Gweithgaredd Ymgysylltu ag Ysgolion Cynradd Rhithwir – Esgyrn ac Organau

Cynhyrchodd Dr Daniel Smith yn yr Is-adran Haint ac Imiwnedd weithgaredd ar-lein ar esgyrn ac organau, a oedd yn rhan o bortffolio CITER ar gyfer Gŵyl Wyddoniaeth Caerdydd yn 2020. Roedd y fideo ar gael i'w weld i unrhyw un a ymwelodd â gwefan Gŵyl Wyddoniaeth Caerdydd.



Cyrhaeddiad:

- 77 o bobl yn gwyllo'r fideo drwy wefan Gŵyl Wyddoniaeth Caerdydd

Effaith:

- O ganlyniad i lwyddiant y fideo ar gyfer Gŵyl Wyddoniaeth Caerdydd, mae bellach wedi'i ychwanegu fel gweithgaredd rhithwir i wefan Prifysgol y Plant, lle gall ysgolion gael mynediad at weithgareddau yr hoffent i ddisgyblion gymryd rhan ynddynt.

Adborth/gwerthusiad:

Dywedodd trefnwyr Gŵyl Wyddoniaeth Caerdydd eu bod wedi cael adborth cadarnhaol iawn am y fideo "hwyllog, rhyngweithiol ac addysgiadol".



Map o Weithgarwch Ymgysylltu ag Ysgolion ar draws Cymru 2020-21

Enw'r Ysgol	Awdurdod Lleol	Sector	SiHL	WE	LSC	HGB	MA	WAMMS	MediCan	MC
Ysgol Uwchradd Caerdybi	Ynys Môn	Uwchradd				X				
Ysgol David Hughes	Ynys Môn	Uwchradd	X							
Ysgol Syr Thomas Jones	Ynys Môn	Uwchradd	X							
Ysgol Gyfun Llangefni	Ynys Môn	Uwchradd	X							
Coleg Meirion-Dwyfor	Gwynedd	Coleg	X							
Ysgol Botwnnog	Gwynedd	Uwchradd			X	X				
Ysgol Brynrefail	Gwynedd	Uwchradd	X							
Ysgol Godre'r Berwyn	Gwynedd	Uwchradd			X	X				
Ysgol Tryfan	Gwynedd	Uwchradd	X			X				
Ysgol Tywyn	Gwynedd	Uwchradd			X	X				
Ysgol Glan y Môr	Gwynedd	Uwchradd			X	X				
Ysgol John Bright	Conwy	Uwchradd	X		X					
Ysgol Eirias	Conwy	Uwchradd	X							
Ysgol Dyffryn Conwy	Conwy	Uwchradd	X							
Ysgol Uwchradd Glan Clwyd	Sir Ddinbych	Uwchradd	X			X				
Ysgol Brynhyfryd	Sir Ddinbych	Uwchradd	X	X	X	X				
Ysgol Uwchradd Dinbych	Sir Ddinbych	Uwchradd	X							
Coleg Cambria	Sir y Fflint	Coleg	X					X		
Ysgol Richard Gwyn Sant	Sir y Fflint	Uwchradd	X	X						
Ysgol Alun	Wrecsam	Uwchradd	X					X		
Ysgol Uwchradd Castell Alun	Wrecsam	Uwchradd	X							
Ysgol Clywedog	Wrecsam	Uwchradd			X					
Ysgol Morgan Llwyd	Wrecsam	Uwchradd				X				
Ysgol Uwchradd Gatholig ac Anglicanaidd St Joseph	Wrecsam	Uwchradd			X					
Ysgol Uwchradd Aberhonddu	Powys	Uwchradd	X							
Ysgol Uwchradd Gwernyfed	Powys	Uwchradd	X	X				X		
Ysgol Llanfyllin	Powys	Uwchradd	X							
Ysgol Uwchradd y Drenewydd	Powys	Uwchradd	X							
Ysgol Uwchradd y Trallwng	Powys	Uwchradd			X					
Ysgol Calon Cymru	Powys	Uwchradd	X		X	X		X		
Ysgol Bro Hyddgen	Powys	Uwchradd	X					X		
Ysgol Uwchradd Aberteifi	Ceredigion	Uwchradd	X							
Ysgol Bro Pedr	Ceredigion	Uwchradd	X	X		X		X		
Ysgol Penglais	Ceredigion	Uwchradd	X		X					
Ysgol Gyfun Penweddig	Ceredigion	Uwchradd	X		X	X				
Coleg Sir Benfro	Sir Benfro	Coleg	X							
Ysgol Penrhyn Dewi (Dewi Sant yn flaenorol)	Sir Benfro	Uwchradd			X					
Ysgol Greenhill	Sir Benfro	Uwchradd	X							
Ysgol Uwchradd GRh Hwlfordd	Sir Benfro	Uwchradd	X							
Ysgol y Preseli	Sir Benfro	Uwchradd	X		X	X				
Ysgol Dyffryn Aman	Sir Gâr	Uwchradd	X		X					
Ysgol Gyfun Emlyn	Sir Gâr	Uwchradd						X		
Ysgol Bryngwyn	Sir Gâr	Uwchradd			X					
Ysgol Coedcae	Sir Gâr	Uwchradd			X					
Ysgol Gyfun y Strade	Sir Gâr	Uwchradd	X		X	X		X		
Ysgol Uwchradd y Frenhines Elisabeth	Sir Gâr	Uwchradd	X		X					
Ysgol St John Lloyd RC	Sir Gâr	Uwchradd			X					
Ysgol Maes y Gwendraeth	Sir Gâr	Uwchradd	X		X	X		X		
Ysgol Bro Dinefwr	Sir Gâr	Uwchradd	X							
Ysgol Bro Myrddin	Sir Gâr	Uwchradd	X			X				
Coleg Gŵyr	Abertawe	Coleg	X	X						
Ysgol Gyfun Gŵyr	Abertawe	Uwchradd	X			X		X		
Ysgol Bryn Tawe	Abertawe	Uwchradd	X							
Ysgol yr Esgob Gore	Abertawe	Uwchradd	X	X				X		

Enw'r Ysgol	Awdurdod Lleol	Sector	SiHL	WE	LSC	HGB	MA	WAMMS	MediCan	MC
Ysgol Gatholig yr Esgob Vaughan	Abertawe	Uwchradd	X		X					
Ysgol Olchfa	Abertawe	Uwchradd	X							
Ysgol Uwchradd Morrison	Abertawe	Uwchradd						X		
Ysgol Gyfun Ystalyfera Bro Dur	Castell-nedd Port Talbot	Uwchradd	X		X					
Coleg Chweched Dosbarth Penybont	Pen-y-bont ar Ogwr	Coleg	X							
Ysgol Brynteg	Pen-y-bont ar Ogwr	Uwchradd	X		X			X		
Ysgol Gyfun Cynffig	Pen-y-bont ar Ogwr	Uwchradd						X		
Ysgol Uwchradd Pencoed	Pen-y-bont ar Ogwr	Uwchradd	X							
Ysgol Gyfun Porthcawl	Pen-y-bont ar Ogwr	Uwchradd	X		X			X		
Ysgol Gyfun Gymraeg Llangynwyd	Pen-y-bont ar Ogwr	Uwchradd				X		X		
Ysgol Uwchradd Gatholig Archesgob McGrath	Pen-y-bont ar Ogwr	Uwchradd	X							
Ysgol Bro Morgannwg	Bro Morgannwg	Uwchradd	X			X		X		
Ysgol Gyfun y Bont-faen	Bro Morgannwg	Uwchradd	X							X
Ysgol Uwchradd Pencoedtre	Bro Morgannwg	Uwchradd			X					
Ysgol Gyfun St Cyres	Bro Morgannwg	Uwchradd	X		X					
Ysgol Richard Gwyn Sant	Bro Morgannwg	Uwchradd	X		X					
Ysgol Gymunedol Aberdâr	Rhondda Cynon Taf	Uwchradd						X		
Ysgol Gyfun Bryncelynnog	Rhondda Cynon Taf	Uwchradd	X					X		
Cardinal Newman	Rhondda Cynon Taf	Uwchradd	X					X		
Ysgol Gyfun Aberpennar	Rhondda Cynon Taf	Uwchradd	X							
Ysgol Gyfun Garth Olwg	Rhondda Cynon Taf	Uwchradd	X			X		X		
Ysgol Gymunedol Tonyrefail	Rhondda Cynon Taf	Uwchradd	X					X		
Ysgol Gyfun Treorci	Rhondda Cynon Taf	Uwchradd	X	X				X		
Ysgol Gymunedol Porth	Rhondda Cynon Taf	Uwchradd			X					
Ysgol Uwchradd Pontypridd	Rhondda Cynon Taf	Uwchradd			X					
Ysgol Uwchradd yr Eglwys yng Nghymru Sant Ioan Fedyddiwr	Rhondda Cynon Taf	Uwchradd						X		
Ysgol Gyfun y Pant	Rhondda Cynon Taf	Uwchradd	X					X		
Ysgol Gyfun Rhydywaun	Rhondda Cynon Taf	Uwchradd	X			X				
Ysgol Llanhari	Rhondda Cynon Taf	Uwchradd	X			X				
Ysgol Gyfun Cwm Rhondda	Rhondda Cynon Taf	Uwchradd				X				
Ysgol Uwchradd Cyfarthfa	Merthyr Tudful	Uwchradd			X					
Coleg Merthyr Tudful	Merthyr Tudful	Coleg	X					X		
Coleg y Cymoedd	Caerffili	Coleg	X							
Ysgol Trecelyn	Caerffili	Uwchradd			X					
Ysgol St Cenydd	Caerffili	Uwchradd						X		
Ysgol Martin Sant	Caerffili	Uwchradd	X		X			X		
Ysgol Uwchradd Islwyn	Caerffili	Uwchradd			X					
Ysgol Gyfun Idris Davies	Caerffili	Uwchradd			X			X		
Ysgol Gyfun Gorllewin Trefynwy	Torfaen	Uwchradd						X		
Ysgol St Alban	Torfaen	Uwchradd			X					
Ysgol Gyfun Trefynwy	Sir Fynwy	Uwchradd	X		X			X		
Coleg Gwent	Casnewydd	Coleg	X					X		
Ysgol Bassaleg	Casnewydd	Uwchradd	X	X						
Ysgol Gyfun Caerllion	Casnewydd	Uwchradd	X	X	X			X		
Ysgol John Frost	Casnewydd	Uwchradd	X					X		
Ysgol Uwchradd Llanwern	Casnewydd	Uwchradd	X	X						
Ysgol Uwchradd Llysweri	Casnewydd	Uwchradd						X		
Ysgol Uwchradd Gatholig Joseff Sant	Casnewydd	Uwchradd	X							
Ysgol Uwchradd St Julian	Casnewydd	Uwchradd						X		
Coleg Catholig Dewi Sant	Caerdydd	Coleg	X	X				X	X	
Coleg Caerdydd a'r Fro	Caerdydd	Coleg	X	X						
Ysgol Uwchradd Esgob Llandâf	Caerdydd	Uwchradd	X							
Ysgol Uwchradd Cantonian	Caerdydd	Uwchradd						X		
Ysgol Uwchradd Caerdydd	Caerdydd	Uwchradd	X	X	X			X	X	

Enw'r Ysgol	Awdurdod Lleol	Sector	SiHL	WE	LSC	HGB	MA	WAMMS	MediCan	MC
Ysgol Uwchradd Gymunedol Gorllewin Caerdydd	Caerdydd	Uwchradd			X					
Ysgol Uwchradd Fitzalan	Caerdydd	Uwchradd	X						X	
Ysgol Uwchradd Cathays	Caerdydd	Uwchradd			X					
Corpus Christi	Caerdydd	Uwchradd			X					
Ysgol Uwchradd Llanisien	Caerdydd	Uwchradd		X					X	
Ysgol Gyfun Radur	Caerdydd	Uwchradd			X			X		
Ysgol Gyfun Gymraeg Glantaf	Caerdydd	Uwchradd	X			X		X		
Ysgol Gyfun Gymraeg Plasmawr	Caerdydd	Uwchradd	X							
Ysgol Uwchradd yr Eglwys yng Nghymru St Teilo	Caerdydd	Uwchradd	X	X	X					
Ysgol Uwchradd yr Eglwys Newydd	Caerdydd	Uwchradd	X	X	X			X	X	
Ysgol Gynradd Tredegarville	Caerdydd	Cynradd					X			

Ysgolion/Colegau Annibynnol

Enw'r Ysgol	Awdurdod Lleol	Sector	SiHL	WE	LSC	HGB	MA	WAMMS	MediCan	MC
Ysgol y Gadeirlan, Llandaf	Caerdydd	Uwchradd	X	X	X					
Ysgol Westbourne	Bro Morgannwg	Uwchradd	X							
Ysgol Howell's, Llandaf	Caerdydd	Uwchradd	X	X						
Coleg St John	Caerdydd	Uwchradd	X	X	X					
Ysgol St Michael	Llanelli	Uwchradd	X	X						
Ysgol Ferched Trefynwy (Haberdashers)	Sir Fynwy	Uwchradd	X							
Ysgol Fechgyn Trefynwy (Haberdashers)	Sir Fynwy	Uwchradd	X							
Academi Caerdydd	Caerdydd	Uwchradd	X	X						
Coleg Chweched Dosbarth Caerdydd	Caerdydd	Uwchradd	X	X						
Ysgol Kings Monkton	Caerdydd	Uwchradd	X							
Coleg Unedig y Byd, Coleg yr Iwerydd	Bro Morgannwg	Coleg	X							

Schools and Colleges outside Wales

Enw'r Ysgol	Awdurdod Lleol	Sector	SiHL	WE	LSC	HGB	MA	WAMMS	MediCan	MC
Barton Peveril Sixth Form College	Eastleigh	Coleg	X							
Bishop Vesey's Grammar School	Sutton Coldfield	Annibynnol	X							
Clifton High School	Bryste	Annibynnol	X							
Fortismere School	Llundain	Uwchradd		X						
Goffs Academy	Cheshunt	Uwchradd		X						
Haberdashers' Knights Academy	Bromley	Uwchradd		X						
Hills Road Sixth Form College	Caergrawnt	Coleg	X	X						
King Edward VI School (Merched)	Birmingham	Uwchradd		X						
King Edward VI School (Bechgyn)	Stratford upon Avon	Uwchradd	X							
Kingsthorpe College	Northampton	Uwchradd	X							
Lumen Christi College	Derry	Uwchradd		X						
Lutterworth College	Lutterworth	Uwchradd	X							
Mulberry School for Girls	Llundain	Uwchradd	X							
Oaklands Catholic School	Waterlooville	Uwchradd		X						
Queen Mary's College	Basingstoke	Coleg	X							
Ruislip High School	Llundain	Uwchradd	X							
Scarisbrick Hall School	Ormskirk	Annibynnol	X							
Sidmouth College	Sidmouth	Uwchradd	X							
Sir George Monoux College	Llundain	Coleg	X	X						
St Bede's Catholic College	Bryste	Uwchradd	X	X						
St Dominic's Sixth Form College	Harrow on the Hill	Coleg	X							
Clarendon Academy	Trowbridge	Uwchradd	X							
Thornhill College	Derry	Uwchradd		X						
Truro and Penwith College	Truro	Coleg	X							
Wirral Grammar School for Boys	Wirral	Uwchradd	X							

Allwedd:

SiHL	Gwyddoniaeth ym Maes Iechyd yn Fyw Ar-lein
WE	Profiad Gwaith (ar-lein)
LSC	Life Sciences Challenge (Her Gwyddorau Bywyd)
HGB	Her Gwyddorau Bywyd
MA	Llysgenhadon MEDIC
WAMMS	Cynllun Mentora Mynediad Ehangach i Feddygaeth
MediCan	Cymdeithas myfyrwyr MediCan
MC	Cyflwyniad yr Athro Marcus Coffey

n= 155

10	Coleg
108	Uwchradd – Cymru
25	Uwchradd – y tu allan i Gymru
1	Cynradd
11	Annibynnol

Mynegai Amddifadedd Lluosog Cymru (WIMD)
 (% y disgyblion yn 50% yr ardaloedd mwyaf difreintiedig)

WIMD (80-100%)
WIMD (60-80%)

Oherwydd COVID-19, cynhaliwyd yr holl weithgareddau ar-lein