

Seren Wonklyn *St. Joseph's School and Sixth Form Centre,*
EESW Student of the Year Runner-up 2019

Seren Wonklyn participated in the EESW project in 2018-2019 as part of the St Joseph's School team. Her team were linked with engineers from Weartech, a cobalt-based hard facing and wear-resistant welding consumables company. Their task was to improve how the company transport products to make the process more efficient and environmentally friendly.

Seren says that she was interested in Science but had very little knowledge of Engineering and the range of topics it could cover. Hence, she wanted to participate in the project to broaden her skills and get an insight into careers on offer within Engineering.

Seren was allocated the role of Designer due to her knowledge of technology and computer software. She also wanted to explore creativity skills, so decided this would be a nice challenge. Seren went on to design a new type of box for transportation, which was completely new and innovative and addressed the brief set by Weartech.



Seren Wonklyn, 2019 Runner-up

Seren tells us how "With the combination of each team members strengths and roles, we were lucky enough to win 'The Best Application of Science'.

By being involved in the project I was also able to largely improve upon my teamwork, collaboration, and communication skills, which I believe to be key skills, that will be applicable in all aspects of my future.

I was also encouraged by my team and my schoolteacher to apply for the 'EESW 2019 Student of the Year', and I was lucky enough to receive the award of the 'Runner-up', which meant I won £400 to contribute to my higher educational studies".

When asked at the start of the EESW project, Seren told us she wanted to pursue a medical-based career; however, upon involvement in the project, she felt that she would be more suited to something

innovative and logic-orientated. Seren is now working on an integrated masters of Biochemistry at the University of Bristol.

“Studying Biochemistry allows for a broad range of career aspects, all of which pose an interest for me, due to the practical nature surrounding them.”

Seren hopes to complete a PhD in the future and is excited to perform fundamental research and lecture in a subject she loves.

Seren is eager to get other sixth form students involved. She told us *“To this day, I am still extremely grateful of the opportunities, that have arisen from being involved in the EESW project, and I would recommend the project to those who are curious and want to develop academically.”*



Seren Wonklyn (4th from left) at the EESW Student of the Year Award Event



Seren Wonklyn Ysgol a Chanolfan Chweched Dosbarth Sant Joseff, Ail yng nghystadleuaeth Myfyriwr y Flwyddyn EESW 2019

Roedd Seren Wonklyn yn aelod o dim Ysgol Sant Joseff a gymerodd ran ym mhrosiect EESW yn 2018-2019. Roedd ei thim yn gweithio gyda pheirianwyr o Weartech, cwmni nwyddau traul arwyneb caled, gwrth-draul cobalt wedi'u weldio. Tasg y tîm oedd gwella dull y cwmni o gludo cynhyrchion i wneud y broses yn fwy effeithlon ac ecogyfeillgar.

Dywed Seren fod ganddi ddiddordeb mewn Gwyddoniaeth ond mai ychydig iawn o wybodaeth a oedd ganddi am Beirianeg a'r ystod o bynciau y gallai eu cynnwys. Felly, roedd yn awyddus i gymryd rhan yn y prosiect er mwyn ehangu ei sgiliau a dysgu am y gyrfaoedd sydd ar gael ym maes Peirianeg.

Dyrannwyd rôl Dylunydd i Seren oherwydd ei gwybodaeth am dechnoleg a meddalwedd gyfrifiadurol. Hefyd, roedd yn awyddus i archwilio sgiliau creadigrwydd, felly penderfynodd y byddai hon yn her ddifyr. Mewn ymateb i'r dasg a osodwyd gan Weartech, fe aeth Seren ati i ddylunio math newydd o focs ar gyfer cludiant, a oedd yn gwbl newydd ac yn ddyluniad arloesol.

Meddai Seren, *"Diolch i gyfuniad o gryfderau a rolau pob aelod o'r tîm, roeddem yn ddigon ffodus i ennill gwobr 'Y Defnydd Gorau o Wyddoniaeth'.*



Seren Wonklyn, Ail safle 2019

Drwy fod yn rhan o'r prosiect, fe ges i gyfle i wella fy sgiliau gwaith tîm, cydweithio a chyfathrebu, sef fy sgiliau allweddol yn fy marn i, a fydd yn berthnasol i bob agwedd ar fy mywyd yn y dyfodol.

Hefyd, fe ges i fy annog gan fy nhîm a'm hathro ysgol i wneud cais am wobwr 'Myfyriwr y Flwyddyn EESW 2019', ac roeddwn yn ddigon ffodus i dderbyn gwobr am ddod yn ail, gan ennill £400 tuag at fy astudiaethau addysg uwch".

Pan ofynnwyd iddi ar ddechrau prosiect EESW, dywedodd Seren wrthym ei bod am ddilyn gyrfa ym maes meddygol; fodd bynnag, wrth gymryd rhan yn y prosiect, roedd yn teimlo y byddai maes mwy arloesol sy'n seiliedig ar resymeg yn fwy addas iddi. Erbyn hyn mae Seren yn astudio

ar gyfer gradd meistr integredig mewn Biocemeg ym Mhrifysgol Bryste.

"Mae amrywiaeth eang o yrfaeodd posibl yn gysylltiedig ag astudio Biocemeg, ac mae pob un o ddiddordeb i mi oherwydd eu natur ymarferol."

Mae Seren yn gobeithio cwblhau PhD yn y dyfodol ac mae'n teimlo'n llawn cyffro am ymchwilio a darlithio mewn pwnc sydd wrth fodd ei chalon.

Mae Seren yn awyddus i annog myfyrwyr chweched dosbarth eraill i gymryd rhan. Meddai, *"Hyd heddiw, rwy'n hynod ddiolchgar am y cyfleoedd sydd wedi dod i'm rhan o fod yn rhan o brosiect EESW, a byddwn yn argymhell y prosiect i'r rhai sy'n chwilfrydig ac sydd am ddatblygu'n academiaidd."*



Seren Wonklyn (4ydd o'r chwith) yn ystod Digwyddiad Gwobrau Myfyriwr y Flwyddyn EESW