Students Demonstrate Engineering Teaching Skills

Recently, Ms Kirsty Williams, Minister for Education, witnessed at first hand the work and dedication that Coleg Meirion Dwyfor Engineering students at Dolgellau have given in completing their Skills Challenge Certificate.

In readiness for the Formula 1 in Schools competition, the students taught design, Computer Aided Design and aerodynamics to year 10 pupils, before 3D printing the cars.

Student Tomos Williams said that Ms Williams 'was impressed with the work that we had done and the way we had taught schoolchildren'.

Mr Graham Nutt , EESW manager , North Wales said " EESW are keen to work with Coleg Meirion Dwyfor in order to enhance the support provided to students from local schools who are participating in the Formula 1 Challenge. EESW are therefore placing a CNC Denford CAM machine at the Dolgellau site. This will enable mentored students to see their cars being machined before they are made ready for the competition. The Dolgellau machining centre will be the third in North Wales supporting this exciting STEM activity. EESW are looking forward to our developing partnership with Coleg Meirion Dwyfor."

Engineering students from Coleg Meirion Dwyfor at Dolgellau have over the past two years been using their learning of engineering to complete the Advanced Welsh Baccalaureate. This has enabled them to understand and appreciate how skills are transferable and can be utilised to achieve success in other sectors.

To encourage success and engagement, Dewi Evans, WBQ co-ordinator, strategically mapped out with the Engineering Course co-ordinator how the qualification would be delivered and how the students could gain the most benefit from it. Previous experience had shown how students benefited from completing the EESW 6th Form Industry Project. Partnering with a company to solve a real-life problem gave access to industry experts, opportunity to experience first-hand how companies work and put them in a favourable position when looking for work or apprenticeship. This was used to complete the Individual Project and the connection with industry, which has even resulted in job interviews!