



WELSH BACCALAUREATE

Advanced

Enterprise and Employability Challenge

Engineering Education Scheme Wales



Available for assessment from September 2015

Engineering Innovation

PURPOSE

The purpose of the Enterprise and Employability Challenge is to develop learners' skills, whilst providing opportunities for learners to develop enterprising skills and attributes and enhance employability. During the Enterprise and Employability Challenge learners will explicitly develop skills in **Numeracy, Digital Literacy, Creativity and Innovation** and **Personal Effectiveness** and apply them in an appropriate manner.

BRIEF

The **Engineering Education Scheme Wales (EESW)** encourages post-16 students to study engineering courses in further or higher education and to consider careers in engineering through a range of interesting activities. Partnerships with industry are crucial for the activities **EESW** provide. This includes engineer time, company visits and financial support.. The positive experience for students of working with professional engineers and scientists in an industrial setting, shows that STEM areas are diverse and stimulating, and can provide an intellectually challenging career that will contribute to the future prosperity of Wales.



For your **Innovation Venture** you will concentrate on the **EESW Year 12/13 Project** which offers you a positive experience working with professional engineers in an industrial setting. Your school or college will be linked to a local company and be allocated a coordinating engineer/scientist. The company will define a problem in the company's operation that is suitable for solving, the solution to which would be of benefit to the company. Students will work in a team of 3-6 members to design and develop an idea which will enhance the productivity or effectiveness of that company, over a period of about six months (October – April), in co-operation with engineers and scientists from the link company

The job market can be a competitive place and you need to stand out from other candidates. In preparation to apply and secure a job, you will need to gain a clear understanding of what is involved and know how to promote yourself so that you impress potential employers.

You will need to identify, reflect on and develop the skills, attributes and experiences necessary for your chosen destination. Experiencing an innovation project that higher education or a workplace might set, provides an opportunity to develop and demonstrate a wide range of skills, qualities and attributes. You will also need to take into account additional factors such as the job market, recruitment procedures, your lifestyle expectations and the part played by managing personal finances in pursuit of your chosen destination.

By creating a digital **Destination Passport** you will be able to gather and showcase the skills, attributes, experiences and qualifications higher education and employers are looking for. By focusing on your future ambitions you can tailor the Destination Passport to match your career aspirations.

RESOURCES

www.stemcymru.org.uk

CONTACT DETAILS

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