DYW | BORDERS
Developing the Young Workforce

INDUSTRY: STEM

ACTIVITY: SCIENCE SHOW

ORGANISATION: GLASGOW SCIENCE CENTRE
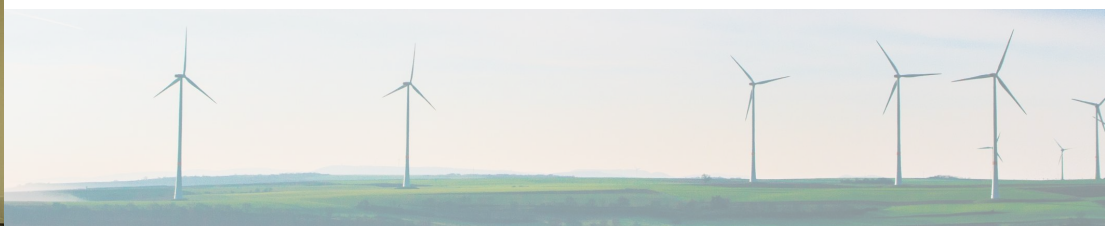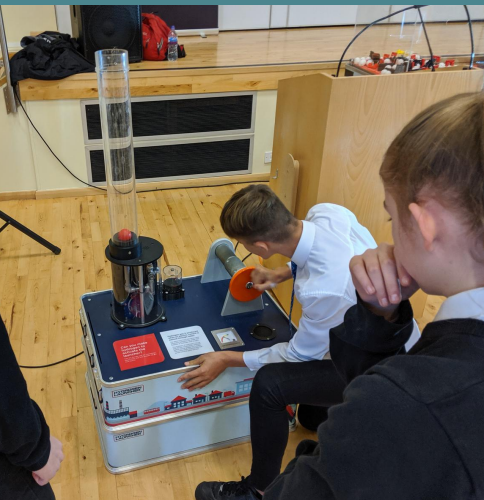
SCHOOL: ALL SECONDARY SCHOOLS

GEO SCIENCE BUS

In partnership with Scottish Borders Council Education, DYW Borders brought the Glasgow Science Centre to the Scottish Borders to receive in insight into the world of STEM at the Scottish Borders 'Big Bang' event. Previously attendance was limited to 200 pupils per day, therefore DYW Borders organised with the Glasgow Science Centre travelling tour 'Powering the Future' to attend all nine secondary schools allowing all S2 pupils in the Scottish Borders to receive a STEM interaction. This was when the 'Geo Science Bus' was born.

The travelling tour was formed of two elements: an interactive presentation and a range of science-based marketplace exhibits. The 'Powering the Future Science' show allowed pupils to understand the different types of energy sources, including fossil fuels and renewables and the ways that these can be harnessed to create energy. The show was very interactive and exciting, which helped pupils stay fully engaged with the chance to learn something new.

During the hands-on exhibits' pupils were able to address topics like energy supply and their use with a focus on affordability, security and environmental sustainability. As the exhibits were in the form of games, pupils were able to experience learning in a fun and informative way.

By bringing the Glasgow Science Centre to schools this allowed all identified pupils to receive a STEM activity without disruption to the school day or the limitations of travel. The marketplace exhibits were in the assembly hall, allowing whole classes to attend with their teacher meaning there was no requirement for extra staff resource. By providing STEM activities at an early stage, S2 pupils are encouraged to continue with their STEM subjects through to the end of their education.