

#### INDUSTRY:

- SCIENCE
- TECHNOLOGY
- MATHEMATICS

#### ACTIVITY: STEP INTO STEM



#### STEP INTO STEM 2019 EVENTS

In November 2019 over 400 pupils across Caithness and Sutherland came together to participate in a variety of interactive and dynamic activities showcasing the diverse range of career opportunities STEM subjects can lead to. These events were held in North Highland College UHI, Wick High School and Golspie High School over 3 days.

DYW North Highland in conjunction with Dounreay Site Restoration Ltd (DSRL) and North Highland College UHI organised these events which incorporated representatives from 14 different employment sectors, delivering activities inspiring and encouraging our young pupils to continue studying STEM subjects with a greater understanding of the variety of career pathways open to them in the world of work.

The activities enjoyed by the pupils included:

- LEGO EDUCATION WEDO 2.0
- K'NEX BRIDGE BUILDING
- ELECTRONIC WORKSHOPS
- SMARTMAX SUPERSTRUCTURE REBUILDING BRIDGES & TOWERS
- ARCHITECTURAL MODELLING
- ROOF CONSTRUCTION
- CYBER SECURITY

- SENSORY EVALUATION (FOOD AND BEVERAGE SCIENCE)
- FERMENTATION
- CHEEK CELL DNA EXTRACTION
- SOIL SAMPLING & PH
- CHEMISTRY MOLECULE MODELLING
- OCCULUS DREAMDECK AND CODING
- 3D PRINTING & DESIGN





The Armed Forces offered activities in Frontline Science, Communications Tower, Sphero Coding, Pneumatic Circuits and Submarine 3D walkthrough and there was also Virtual Reality - dismantling a tall chimney stack, and Virtual Welding offered by a couple of local companies.

The first day of the event held in North Highland College UHI showcased to pupils from Thurso and Farr High School, offering the experience of a college environment in the ETEC facility and also access to the first Newton Room in Scotland, which was officially launched in March 2019.

The second day saw all the activities transported to Wick High School, and the third day involved travelling to Golspie High School to ensure S2 pupils from Sutherland High Schools also benefited from this event.

This project was initially based on the “Big Bang Fair” which is held in various UK locations. Our young people experienced hands-on activities and were able to identify the many different career options available to them within Science, Technology, Engineering and Mathematics.

Feedback from the pupils and schools was excellent – they found the events informative, engaging and very beneficial and are keen to participate in future events. This was our second delivery of this project and DYWNH intend to continue to deliver these on an annual basis.



To contact DYW North Highland please email: [SKILLS@CAITHNESSCHAMBER.COM](mailto:SKILLS@CAITHNESSCHAMBER.COM)

You can also visit our website at: [WWW.DYWNH.INFO](http://WWW.DYWNH.INFO)

OR FOLLOW US ON SOCIAL MEDIA:

