For member volunteers supporting a careers fair Virtual Work Experience (VWEX)

Some handy hints if you are supporting a careers fair:

- Virtual Work Experience (VWEX) is a way of gaining work experience online, rather than in-person.
- Usually involves a mixture of activities, including watching videos and answering quizzes.
- Supports school students to gain experience and discover different career opportunities.

IChemE VWEX: Engineering a sustainable world

- Aimed at 14 to 18 years of age
- 8+ hours of guided learning
- Covers the breadth of careers in different industries, including energy, food and drink, water and healthcare
- Opportunity to chat to engineers via the Ambassador platform accessible when students complete 50% of the programme.
- Students create an account with Springpod the platform it runs on, and there are lots of other
 VWEX experiences to try (different job types/careers)
- Certificate of completion

Additional experience on the same platform is the Sprint: a real-world task/mini project

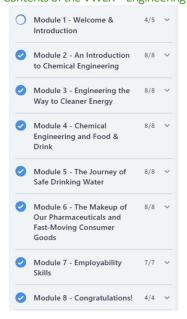
- Specially created by a working process engineer in the energy sector.
- Takes about 1 hour to complete

Resources

Postcards and bookmarks with a QR code for easy access and information about VWEX and the Sprint.



Contents of the VWEX - Engineering a sustainable world



- How to use the VWEX
- 2. Intro by IChemE President, career areas, entry routes university/apprenticeship, intro to IChemE
- 3. Renewables, nuclear fossil fuels, sustainable energy, activity about renewable energy
- 4. Case studies cocoa, meet the engineers working in food/drink, activity to research how you make soup on a big scale (everything from raw ingredients cooking transport)
- 5. Case studies, upgrading wastewater treatment and reverse osmosis, activity on drinking water
- 6. Pharmaceuticals/healthcare, case study dental products, activity on rolling out a vaccine
- 7. Employability skills problem-solving, digital, teamwork, creativity
- 8. Congratulations and download certificate

Contents of the Sprint – Process engineering in the energy sector



Project brief about hydrogen as a fuel – you'll find resources to help with the activities and a brief from a process engineer working in energy

Thinking like an engineer - maths exercise and process flow diagram Q&A, download a workbook to complete the activities

Upload your workbook and review answers. Download certificate