

# Water sector professional - skills and competence gap Scotland



## Apprentice Water Operator:

- Team worker
- Independent working on initiative
- Flexible
- Fast Learner
- Aspirational at own level

## Team Leader Water Operations:

- Leader
- Organised
- Problem Solver
- Pioneering
- People Centred



Table: Skills and competences that future Water sector professionals currently lack but desperately need in Scotland, UK.

## Progression routes for Regional CoVE Water Scotland

 <b>Key Issues</b>	 <b>Business Model Canvas or Activities</b>	 <b>Outcomes</b>
<p>Green economy - affecting drinking water processes.</p> <p>Gaining understanding of the uses of renewable technologies in the water industry;</p> <ul style="list-style-type: none"> <li>• Photovoltaic</li> <li>• Battery Storage</li> </ul> <p>Connection between the Water Industry and Business</p>	<p>Renewable energies overview to students with the water treatment unit helping prepare for the future/ upskilling</p> <p>Companies working towards Net Zero by 2040</p> <p>Demonstrations on site by training academy and regulators</p>	<p>Agreed access to more lecturers or industry experts, looking towards possible swaps between partners in different regions after restrictions are eased.</p> <p>Industry Experts agreed in 2020 for 2021/2022 –</p> <p>Plumbers – Renewable Technologies Electricians – Renewable Technologies <i>glasgowclyde</i></p> <p>Industry Experts agreed in 2020 – SEPA – 3 talks per year <i>SEPA</i></p> <p>DWQR – 3 talks per year <i>DWQR</i></p> <p>Scottish Water - 3 talks per year <i>Scottish Water</i></p>

<p>Long distance Learning/blended learning Requirement from business for online Professional Development Awards (PDA's) in areas of Drinking Water Quality and Waste Water Quality</p>	<p>Glasgow Clyde College (GCC) to produce the PDA's and gain accreditation from Scottish Qualification Authorities (SQA)</p> <p>Letter of support from business</p>	<p>Awaiting accreditation from SQA <i>HN Water</i></p>
<p>Digital skills gaps – became apparent during COVID19.</p>	<p>GCC provided laptops and 4G to students</p> <p>Free webinars to staff and students to enable them to use the new equipment.</p> <p>Updated E-Library</p>	<p>Distributing laptops and internet connection allowed students to continue studies from home.</p> <p>Student support – <i>Here</i></p> <p><i>glasgowclyde courses</i></p> <p><i>Glasgow Clyde College catalog</i></p>
<p>Virtual Reality</p>	<p>Students accessing Platform of Vocational Excellence (PoVE) Moodle</p>	<p><i>PoVE Water</i></p>
<p>Information sharing with stakeholders</p>	<p>Arranged informal online meetings/ chats – sharing updates from work place to college Keeping in touch</p>	<p>So far have managed 4 arranged meetings/chats online, If restrictions allow we hope to continue face to face meetings/coffee morning which were previously arranged for May 2021</p>