

The Importance of STEM Industries



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> STEM in the North West

- Science industries contribute £5.2bn to the North West economy each year.
- The North West exports around £13bn of chemicals a year.
- The coast of Cumbria is known as 'Energy Coast' due to the amount of energy produced there.
- Merseyside's 32 wind turbines are taller than Blackpool Tower and are thought to be the largest in the world.
- The Jodrell Bank Observatory houses the Lovell Telescope, which is the 3rd largest steerable telescope in the world.



> STEM in the North West

- The North West has the largest manufacturing base in the UK. It employs around 323,000 people.
- The food and drink sectors employ around 50,000 people. Kellogg's and Heinz are two of the larger known food manufacturers based in the region.
- Greater Manchester and Lancashire are key locations for people working in the textiles industry.
- The North West region needs over 5,000 new construction employees each year. People in professional, technical, IT, and office based roles as well as wood and electrical trades are most in demand.



> STEM in Cheshire and Warrington

- The map shows the amount of STEM based industries in the area.
- Sci-Tech Daresbury is a National Science and Innovation Campus.
- Daresbury Laboratory in Warrington has 2 particle accelerators.
- AstraZeneca, the fifth largest pharmaceutical company in the world, have a site in Macclesfield.
- Thermo Fisher based in Warrington and Runcorn manufacture lab equipment.
- BioHub is situated in Alderley Edge and is a key hub area for new start up businesses in pharmaceuticals, biotech and life sciences.

