




TRITON KNOLL
OFFSHORE WIND FARM




Activity 1:

Careers

Matching

FACILITATOR: CUT OUT EACH CELL AND ASK STUDENTS TO MATCH

| JOB ROLE | JOB DESCRIPTION | |
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| WIND FARM DESIGNER | <ul style="list-style-type: none"> I decide what pattern the turbines are set out in to form the final shape of the offshore wind farm. I gather information from specialists on wind speeds, water depths and maps of the sea floor. I also have to think about whether it is possible to make money with the total number of turbines we can fit in. |  <p>College PHYSICS MATH ART</p> <p>Degree MARINE ARCHITECTURE</p> <p>Time ■ Site ■ Desk ■ Meetings</p> <p>Experience</p> <p>Click to expand subtitle</p> |
| WIND TURBINE TECHNICIAN | <ul style="list-style-type: none"> I spend a lot of time out at sea and enjoy using my practical skills to ensure the turbines are in tip-top condition. I fix them if things go wrong and look after them. I have a good head for heights and have learnt how to avoid getting sea sick! |  |
| HEALTH AND SAFETY ADVISOR | <ul style="list-style-type: none"> I make sure that everyone works safely on the wind farm project. I enjoy driving around and talking to colleagues. I make sure rules to protect people are followed. It is really important that everyone acts safe, feels safe and gets home to their families safe at the end of work. |  <p>TRITON KNOLL Start Safe • Act Safe • Home Safe</p> |
| ASSISTANT PROJECT COORDINATOR: MARINE COORDINATORS | <ul style="list-style-type: none"> There are lots of different types of boats involved in building and running an offshore wind farm. I arrange the logistics behind making sure that the vessels and their crew are where they need to be |  <p>A Levels German French Maths</p> <p>Degree German & Chinese</p> <p>Time ■ site ■ desk ■ meetings</p> <p>Experience</p> |
| GEOGRAPHICAL INFORMATION SYSTEMS ENGINEER | <ul style="list-style-type: none"> Accurate maps are essential – to avoid accidental explosions... I make sure boats turn up at the exact agreed spot to start digging... and identify where a pirate ship may be lying under the sea. <p>I collect geographical information and makes the thousands of maps needed to build offshore wind farms</p> |  <p>College Maths Geography IT</p> <p>Degree Urban & Rural Planning</p> <p>Time ■ desk ■ meetings</p> <p>Experience</p> |
| GEOTECHNICAL ENGINEER | <ul style="list-style-type: none"> It's important to know where to fix turbine foundations and cables as these need to remain securely in place for decades. I reveal what the ocean floor is like 50+ meters under water I work on boats and use specialist equipment to scan ground conditions, collect rock core samples and analyse them in a laboratory. |  <p>College Maths Geography Biology</p> <p>Degree Building Surveying</p> <p>Time ■ site ■ desk ■ meetings</p> <p>Experience</p> |

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| <p>ENVIRONMENTAL CONSENTS MANAGER</p> | <ul style="list-style-type: none"> • I make sure that the natural world is protected during the development, build and operation of the wind farm. • I get information from specialists who monitor and understand plant and animal life. • Bird specialists provide me with information on where local birds like to nest and hunt so we can limit disturbing them. |  <p>College Geography Biology Maths</p> <p>Degree Geography</p> <p>Time</p> <ul style="list-style-type: none"> site desk meetings <p>Experience</p> |
| <p>PROJECT MANAGER : OFFSHORE CABLES</p> | <ul style="list-style-type: none"> • I oversee the installation of giant cables running under the ocean. • Specialist boats work under my instruction. • I make sure the cables are installed and connect the wind farm in time and on budget. |  <p>College Biology Chemistry Spanish</p> <p>Degree Biology</p> <p>Time</p> <ul style="list-style-type: none"> site desk meetings <p>Experience</p> |
| <p>CIVIL ENGINEER : ONSHORE CABLES</p> | <ul style="list-style-type: none"> • Green power from turbines needs to flow into the national electricity network. • Large teams work on installing cable routes that run under farmland, buildings, canals and rivers. • Who oversees the land based construction works associated with a wind farm? |  <p>School GCSEs HNC</p> <p>Degree Engineering (mature student)</p> <p>Time</p> <ul style="list-style-type: none"> site desk meetings <p>Experience</p> |