

Future Tech	
Video	Activity
Session 1	
<p>Infomercial- This video will give your class an insight into the different roles available in Future Tech.</p> <p>Met Ella and Tommy as they battle in front of a real battleship!</p> <p>Key Language: coordinates, horizontal, vertical</p>	<p><u>Battleships</u></p> <p>In this video Ella and Tommy play battleships- can you strategically plot battle ships on a map and use coordinates to take down your friends battleships?</p> <ol style="list-style-type: none"> 1. Draw a graph (on squared paper draw a horizontal line worth 12 squares, then draw a vertical line worth 12 squares that meets your other line, like a capital L) 2. Label your horizontal line with letters for each square (A-L) 3. Label your vertical line with numbers for each square (1-12) 4. Draw 4 battles ships worth a mixture of 2, 3 and 4 squares 5. Take it in turns to say coordinates and try to hit your friends battle ships (don't forget to hide your map from your friend)
Session 2	
<p>Workplace Tour- This video goes into more detail of the specific roles in Future Tech. You will see employees and the equipment they use.</p> <p>Join Tommy as he takes us on a tour of Babcock.</p> <p>Key Language: camouflaged, submarine</p>	<p><u>Design a Submarine</u></p> <p>Can you design a submarine to be used for defence and research? Companies like Babcock are always looking for new engineers with innovative ideas. Can you design a submarine that has the ability to be completely camouflaged no matter where it is?</p> <p>Imagine this submarine will be underwater with sea life doing some research- how could it ensure it doesn't spook the animals? Or imagine the ship is sat on top of the water in a bay, protecting some important people, how would it stay camouflaged?</p> <p>Draw and label your design- use your imagination, your idea might not have been invented yet!</p>
Session 3	
<p>Employee Profile- This video focuses on one or two specific employees and their roles within the company.</p> <p>Meet Ella, a Data Analyst at Babcock!</p> <p>Key Language: Data analyst</p>	<p><u>Become a Data Analyst</u></p> <p>Ella's job is to make data simple for other people. Can you solve this code by making it easier for others to understand? CyberStart Go (joincyberdiscovery.com)</p> <p>Answer: move columns until top line reads 'John'</p>
Session 4	

Challenge: Design a Life Saving Helicopter

Babcock help to design leading technology in the emergency services. Imagine they are looking for a new helicopter design and you're the engineer!

This helicopter needs to be able to deal with many challenges in a world where the climate is changing. It needs to withstand heat from wildfires, freezing temperatures, blizzards and storms with floods. What features would your helicopter have to cope with these challenges? Heat protective casing? Something to help it land in the water or control better in the wind? Draw and label your design.