

Ideas for Today's Resources

Teesside was built on engineering. Wherever you go in the world you will find engineers from teesside on site. Bill Scott once told me that he got a phone call one day to say that a crane was broken and they really needed it fixed, could he pop over? 20 hours later he was in Singapore fixing the largest crane ever built. It took six months but they knew that teesside know how gets the job done. Today's video showcases some of the best known companies in the Tees Valley. Yes it is tongue in cheek but it is really accessible to young people to see what our companies are achieving. Additional links to videos give pupils further opportunities for finding out more. The tasks that this can create are varied but focussing on engineering as a discipline focusses the end on problem solving. Something needs to be sorted so how do we find a solution? That is what engineers do. Whether it is a food engineer, a computer engineer or Bill Scott, the premise is the same: solve the problem you are presented with. Children are natural problem solvers and if we can continue to nurture that through their lives, their futures look really exciting!

Using the task

The video provides a stimulus to the ideas below

Discussion points:

- How do you identify a problem?
- Who will the solution help?
- How easily can the solution be implemented?
- How can you convince people that your solution is the best one?

Community

Creating a sense of community around this work will improve authenticity and motivation for the children. I have provided a google folder at the bottom of the webpage for images of work to be uploaded to. Please don't put full names on, first name is fine and possibly the town where you are. Experience shows that this really develops self confidence and improved outcomes for further work. Equally you can email work to me.

Tasks and outcomes

Awareness of some of the major companies in Tees Valley is all part of developing cultural capital, the tasks below then challenge children to think about addressing need, like engineers, but most people in professional jobs do.

Task suggestions include:

- Design a solution to a problem using the planners provided
- Build your design out of scrap materials
- Create a 'Dragon's Den pitch' to camera (script it) about why your idea can make the world a better place
- Research a company in the Tees Valley doing work leading work and create a fact sheet
- Or a documentary!



Can you be as innovative as Bill?