



Contribution ID: 88

Type: **Poster only**

Bridging the Gap between DT and Physics: Stress Testing Materials

Design Technology, as a subject in secondary school, has a variety of scientific thinking, content and approaches that are not fully appreciated or successfully linked back to the more 'academic' subjects. As a somewhat early application of engineering at a pre-higher education level there are a significant amount of opportunities to cross link both maths and physics to the practical and, sometimes more exciting, design technology classroom. The poster outlines a workshop and lesson plan specifically designed for a Kent school to use more physics based lesson planning and scientific methods and approaches to engage design technology students in their curricular specified subject matter. This uses common science classroom tactics such as experiment demonstration, practical testing, creating and testing hypothesis' and graphical comparison. All this centred around and linking the key concepts and technical language involved in stress testing material; something which is covered in most design technology and physics national curriculums.

Key words

Design-technology, workshop, physics, stress-testing, demonstrations

Region

UK/Ireland

Authors: Mr SMITH, Andrew (University of Kent); Mr MURPHY, Charlie (University of Kent); Ms BAXTER, Kate (University of Kent); Mr JORDAN, Liam (University of Kent); Mr LEE, William (University of Kent)

Presenter: Ms BAXTER, Kate (University of Kent)

Session Classification: Poster session