

SYSTEMS AND PROCESSES

This practical and hands-on workshop shows how STEM organisations continually improve processes, and the positive impact this has on quality and performance.

Everything we do involves a process, from making a cup of tea to building an aeroplane, and reliable and slick processes help business deliver quality products on time, every time.

This interactive workshop starts with teams setting up production cells and building a range of products for delivery. When the 'customer orders' arrive, nothing is quite right - this sets the scene for what can go wrong. We then work through a series of tools to redesign the process, measuring each improvement against the stopwatch.

The students will learn industry-standard process-improvement tools, including identifying the value stream; mapping a process; the 7-wastes; and why it might feel 'right' to batch jobs together... but it's often wrong.

Finally, we discuss how these traditional manufacturing tools are applicable in healthcare, leisure, service, and retail operations. Systems thinking is an extremely valuable skill for any STEM student.

All students will receive a **Certificate of Achievement**.

About Weald Technology

Weald Technology Ltd is a social enterprise and an award-winning engineering company. Our mission is to inspire young people to pursue engineering careers, which we do with STEM workshops based on innovations in sustainable transport. We keep our knowledge up-to-date, and our STEM projects relevant, through collaborating on industrial research and development.



For further information please call
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"I enjoyed learning about the waste in factory production, and understanding 'value' - what the customer is actually paying for."

Year 9 student
Heathfield Community College

- KEY STAGE 1
- KEY STAGE 2
- KEY STAGE 3
- KEY STAGE 4
- KEY STAGE 5

