

Business Studies:

Lean Production of Pork – Kaizen

Business

- Operational management
- Making operational decision to improve performance, increasing efficiency, productivity and quality

To access the PowerPoint slides and the resources online, here is the QR code and weblink:

<https://www.countrysideclassroom.org.uk/resources/1817>



Time: 2 hours classroom time

Resources Required

- PowerPoint
- Student Support Notes
- Case Study Exercises
- Answer – Case Study Exercise

Questions Being Answered

Students are asked to use the case studies provided to look at opportunities for change within a farming business. This example focuses on the pork industry.

Teacher Notes

Using the student worksheet and PowerPoint presentation (with notes), introduce the concept that farm businesses need to make decisions based on varying factors.

The information provided then allows the learners to apply theoretical knowledge of lean production to the pork industry – a real-world context.

Once learners are confident in the application of their knowledge, they can work through the examples provided.

You Could Also...

To take learning further, you could organise a farm visit. By visiting a farm, students can learn first-hand about that farming business, and the processes used daily therein, and carry out their own waste walk.

Organisations such as LEAF Education can support teaching staff to organise a visit to a farm.

Make It Simpler

Making the activities within the lesson more practical will help students to understand the process of lean production; perhaps they could act out making a cake/sandwich/cup of tea so that they can see for themselves where they could increase efficiency. Alternatively, the activity which involves partner working could be managed as a whole class, with less case studies involved, to help students access the learning.

Make It Harder or Taking It Further

More detailed information on the implementation of lean management within the farming industry can be found here – [Lean management for farmers and growers \(https://ahdb.org.uk/knowledge-library/lean-management-for-farmers-and-growers\)](https://ahdb.org.uk/knowledge-library/lean-management-for-farmers-and-growers). Examples of the use of lean production in other industries are explored online, such as [Podcast — Lean Made Simple\(https://www.leanmadesimple.com/podcast\)](https://www.leanmadesimple.com/podcast) and Paul Akers’

YouTube channel – [Creating a stop culture in Lean | Dynamic Business Transformation | Paul Akers \(youtube.com\) \(https://www.youtube.com/watch?v=aUtCbl5tmTc\)](https://www.youtube.com/watch?v=aUtCbl5tmTc).

Students could research the work of John Kotter and his change management model known as the 8-step-model. An activity exploring how this model was used by the Small Robot Company to focus their crowdfunding campaign can be found within the [#FarmMyFood Student Booklet](#).

Link to Sustainability

Maximising efficiency across any business reduces wastage of resources (incl. time), which will immediately reduce inputs and increase the sustainability of a business.

Additional/Useful Links

Hyperlinks provided in order of appearance on accompanying notes on PowerPoint presentation:

[RSPCA video \(slide 3\) \(https://www.youtube.com/watch?v=9Szdt7cfChU\)](https://www.youtube.com/watch?v=9Szdt7cfChU)

[Vicki and Kate compare indoor and outdoor \(slide 4\)](https://www.youtube.com/clip/UgkxLe9f11_Elazn83EXF6kYsTsmryEtUZIE)

[\(https://www.youtube.com/clip/UgkxLe9f11_Elazn83EXF6kYsTsmryEtUZIE\)](https://www.youtube.com/clip/UgkxLe9f11_Elazn83EXF6kYsTsmryEtUZIE)

[red tractor \(slide 5\) \(https://www.youtube.com/clip/Ugkxqrb9nC825YFss4nRCwLKKU85WSX_jVva\)](https://www.youtube.com/clip/Ugkxqrb9nC825YFss4nRCwLKKU85WSX_jVva)

[Red Tractor Assurance Scheme | British Food Supply Chain Standards](https://redtractorassurance.org.uk/)

[\(https://redtractorassurance.org.uk/\)](https://redtractorassurance.org.uk/)

[More information regarding veterinary involvement](https://www.youtube.com/clip/UgkxDVSDNR0zObhkBM7r7659hflSsOgliLVe)

[\(https://www.youtube.com/clip/UgkxDVSDNR0zObhkBM7r7659hflSsOgliLVe\)](https://www.youtube.com/clip/UgkxDVSDNR0zObhkBM7r7659hflSsOgliLVe) – Vet video

[Lean management for farmers and growers | AHDB \(https://ahdb.org.uk/knowledge-library/lean-management-for-farmers-and-growers\)](https://ahdb.org.uk/knowledge-library/lean-management-for-farmers-and-growers)

[Back to: Lean management case studies in the pork sector\(https://ahdb.org.uk/knowledge-library/lean-management-case-studies-in-the-pork-sector\)](https://ahdb.org.uk/knowledge-library/lean-management-case-studies-in-the-pork-sector)

[Pork Standards | Red Tractor\(https://redtractor.org.uk/our-standards/pork-standards/\)](https://redtractor.org.uk/our-standards/pork-standards/)

For more information on the Pork Industry – [AHDB Pork | AHDB \(https://ahdb.org.uk/pork\)](https://ahdb.org.uk/pork)

For more information on food assurance schemes, visit - [Home Page | LEAF \(Linking Environment and Farming\)\(https://leaf.eco/\)](https://leaf.eco/) and [RSPCA Assured UK - Farm Animal and Chicken Welfare\(https://www.rspcaassured.org.uk/0\)](https://www.rspcaassured.org.uk/0)

[Welfare\(https://www.rspcaassured.org.uk/0\)](https://www.rspcaassured.org.uk/0)

For more information on careers and opportunities within the pork industry, visit - [For Teachers | LEAF \(Linking Environment and Farming\)\(https://leaf.eco/education/for-teachers\)](https://leaf.eco/education/for-teachers), [Careers in farming and growing – TIAH \(https://tiah.org/careers/\)](https://tiah.org/careers/), [Farming careers and personal development – Farmers Weekly \(fwi.co.uk\)\(https://www.fwi.co.uk/careers\)](https://www.fwi.co.uk/careers)