

Lesson Plan

Pillars of Growth: Energy and Low Carbon

Learning Objectives:

Aim: To learn more about the Food and Agriculture industries in Lancashire

Objectives:

- To understand the different stages of production within the food industry and the job roles and qualifications available within them.
- To work in groups to produce a new Smoothie product and design the branding before pitching their product to 'investors'.
- To be able to identify the extent and range of pathways that grant access to the food industry.

Success Criteria:

- All students will have contributed to creating a product and branding as well as spoken as part of a short "pitch".
- Students will be able to understand the importance of Food and Agriculture in relation to Lancashire's economy and be able to identify opportunities.

Resources (provided):

PowerPoint (inc. instruction video)

Lesson plan

Mason jars

Labels

Felt tip pens

Dragons Den task sheets:

- Briefing sheet (student)
- Briefing sheet (teacher)
- Smoothie ingredients
- Customer profile
- Investor worksheet

Stages of Food Production task:

- Blank stages board
- Stages, description, qualifications and jobs cards

Organisation:

As a class, facilitator will talk class through introduction slides, using the notes (or play the recorded video presenting the slides), before putting students in groups and supporting them to complete the Stages of Food Production task and holding discussion on pathways within them. Students will then complete the "Dragon's Den" task and present their products to the class. To finish, facilitator will go through final slides on careers and pathways.

Time:	Teacher's Activity	Learner Activities:
5m	<p><u>Session intro</u> Introduce topic, explain objective and success criteria.</p>	<ul style="list-style-type: none"> Using the PowerPoint, describe the Food and Agriculture sector and why it is significant. Complete "food source" quiz as a class
10m	<p><u>Stages of Production task</u> Introduce the concept of food production, "farm to fork" and explain the task and facilitate discussion around graduate level qualifications.</p>	<ul style="list-style-type: none"> Work in small groups Place the correct cards on the map identifying the 5 stages of production as well as a description, potential jobs and qualifications for each stage. Discussion around H.E. jargon and levels of qualifications.
20m	<p><u>Task</u> In groups, students will complete a "Dragons Den" style task, creating a food product aimed at a certain customer profile. The task is in 3 parts and must be completed in order:</p> <ol style="list-style-type: none"> Produce a hypothetical food product. Design the label. Prepare & deliver a 2-min pitch. 	<ul style="list-style-type: none"> Students should be in groups of 3 or 4, each group chooses a customer profile at random. First, groups need to design a food product (ingredients, name, tagline). Groups should then design the label using coloured pens. Prepare a 2min pitch to match the brief provided.
10m	<p><u>Careers and pathways</u> Learn about the relevant pathways to related industries.</p>	<ul style="list-style-type: none"> Look at example industries and potential for growth within Lancashire Review education pyramid and discuss pathways.
5m	<p><u>Evaluation</u> If available, facilitate learners to complete the feedback form provided.</p>	<ul style="list-style-type: none"> Complete feedback forms, either on paper or online.