

Rationale

The lesson explores and uses a range of concepts from the maths curriculum in the context of Citizenship. The food we eat often comes from thousands of miles away and home grown produce may travel too and fro across the UK before it reaches our local shops. The topic therefore provides excellent opportunities to develop and use data, solve numerical problems and use percentages. By developing the data themselves, students will engage more closely and understand the relationships more effectively.

National curriculum references Citizenship

1h, 1j, 2a, 2b, 2c, 3a

Maths

	Foundation	Intermediate	Higher
• Calculator Methods	F2/3o, F2/3p, F2/3q effective use of calculator	H2/3o, H2/3p, H2/3s effective use of calculator	H2/3o, H2/3p, H2/3s effective use of calculator
• Percentages	F2/2e use percentages in real-life situations F2/3m solve simple percentage problems	H2/3e percentage calculations H2/3j solve simple percentage problems	H2/3e percentage calculations H2/3j solve simple percentage problems
• Solving Numerical Problems	F2/4a, F2/4d use of number to solve problems	H2/4a, H2/4b use of number to solve problems	H2/4a, H2/4b use of number to solve problems
• Measures	F3/4a use of a range of measures in everyday settings		
• Graphing Data	F4/4a draw and produce a variety of statistical graphs	H4/4a draw and produce a variety of statistical graphs	H4/4a draw and produce a variety of statistical graphs
• Interpretation of Data	F4/1c select and organise the appropriate mathematics and resources to use for a task F4/1e interpret, discuss and synthesise information presented in a variety of forms. F4/1f communicate mathematically F4/1h apply mathematical reasoning F4/1i explore connections in mathematics and look for cause and effect when analysing data F4/5a relate summarised data to the initial questions F4/5b interpret a large range of graphs and diagrams and draw conclusions.	H4/1b select the problem-solving strategies to use in statistical work H4/1c communicate mathematically with emphasis on the use of an increasing range of diagrams and related explanatory text H4/1d apply mathematical reasoning H4/5d interpret a large range of graphs and diagrams and draw conclusions.	H4/1b select the problem-solving strategies to use in statistical work H4/1c communicate mathematically with emphasis on the use of an increasing range of diagrams and related explanatory text H4/1d apply mathematical reasoning H4/5d interpret a large range of graphs and diagrams and draw conclusions.