

## KEY STAGE 4 LINKS TO FOOD, FARMING AND THE COUNTRYSIDE- THREE EXAMPLES

### Notes

Key Stage 4 covers Years 10 and 11. Students are 14 to 16 years old. Courses are usually GCSE - sometimes vocational GCSEs or NVQs (National Vocational Qualifications) - based on syllabuses (now more commonly known as specifications) devised by the English or Welsh awarding bodies (examination boards).

Specifications have to be followed closely, so that teachers will be very specific about the content of a farm visit. In some cases a farm visit may be part of the coursework component and schools may wish to carry out independent fieldwork and investigations on your farm. Students should be made aware of health and safety issues involved in a fieldwork investigation.

### GEOGRAPHY

Study Topic(s)	Environmental Issues	European Dimension	Citizenship	Contemporary Issues	Values and Attitudes
<b>Agriculture</b>	The environmental issues that arise from agricultural changes e.g. increased use of chemicals & hedgerow removal	The farm system in the EU and the impact of the CAP	The responsibility of farmers to ensure sustainable development through their farming practices	Agricultural changes, such as intensification of farming, GM crops, organic farming etc	The values and attitudes of farmers that help determine the nature of farming in a particular area
<b>Coursework</b>	Investigations will involve the selection, observation, collection and recording of data in the field, e.g. soil and land use, farming change.				

### APPLIED SCIENCE

Study Topic(s)	Unit 1: Developing Scientific Skills	Unit 2: Science for the Needs of Society	Unit 3: Science at Work
<b>Agro-biology</b>	Hazards and risks; First Aid; Useful products from organisms; Bacteria, viruses, fungi (benefits & dangers)	Food and non-food products; Photosynthesis and respiration; Fertilisers; Selective breeding; Genetic engineering; Intensive versus organic farming methods	Monitor activity of an organism and collect data; Evaluate activity
<b>Coursework</b>	Investigations into such topics as milk quality, selective breeding, machinery efficiency, control systems in greenhouses etc		

### LEISURE AND TOURISM

Study Topic(s)	Unit 1: Investigating Leisure & Tourism	Unit 2: Marketing in Leisure & Tourism	Unit 3: Customer Service in Leisure & Tourism
<b>Various</b>	Different types of leisure activities & facilities; Attractions; Employment opportunities; Impact of tourism on sustainable development	Principles of marketing; Marketing tools; Market research; Factors affecting a marketing mix; Promotion of leisure and tourism organisations	Customer service & customer service skills; Work experience placement; Health, safety & security strategies; Communicating with customers
<b>Coursework</b>	Investigations into such topics as the farm as a leisure business, farm diversification, etc		