



Year 8 RGS Rural Science – Autumn 1 – Food Provenance

Required knowledge for skills

Students will develop a sound understanding of agricultural practices, and appreciate the importance of food traceability and benefits farm assurance schemes. These skills will not only be applicable in agricultural contexts but also in various other fields requiring critical thinking, problem-solving, and effective communication.



Required knowledge for skills

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 Username: RGSRural Password: Rural23
 Go to appropriate year group and topic. Web pages and quizzes to support learning and revision.

How is this topic assessed?

Self assessment sheets, practical observations and test at the end of the topic

Emerging	Developing	Secure	Mastering	Extending
<ul style="list-style-type: none"> •Identify basic risks associated with handling eggs and farming tools. •Recognise the main parts of an egg. •Use basic farming tools like forks, hoes, and spades safely. •Explain the basic concept of food traceability. 	<ul style="list-style-type: none"> • Manage simple risks in handling eggs and using farming tools. • Candle eggs to identify fertile ones with guidance. • Identify the main parts of an egg and their basic roles. • Explain why PPE is required and when to use it. • Understand the benefits of 	<ul style="list-style-type: none"> •Compare natural and artificial hatching processes. •Explain the importance and benefits of food traceability to local communities, animal welfare, and the environment. •Explain how food is traced from farm to supermarket. 	<ul style="list-style-type: none"> •Safely and effectively use farming tools, explaining when each should be used. •Understand and explain farm assurance schemes and their benefits to consumers and producers. •Explain the importance of animal welfare and the environmental impact of a farm. 	<ul style="list-style-type: none"> •Use farm assurance standards to evaluate the animal welfare and environmental impact of a farm.



Year 8 RGS Rural Science – Autumn 2 – Crop and Livestock Production 1

Required knowledge for skills

Students will focus on crop husbandry and poultry production, emphasising practices that enhance plant and animal health.

Students will develop analytical skills, practical skills, problem-solving, critical thinking, research skills, and environmental awareness.



Required knowledge for skills

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How is this topic assessed?

Self assessment sheets, practical observations and test at the end of the topic

Emerging	Developing	Secure	Mastering	Extending
<ul style="list-style-type: none"> •Understand the basic importance of plant nutrients in growing healthy plants. •Recognise the concept of crop rotation and its basic benefits. 	<ul style="list-style-type: none"> •State the function and sources of key macronutrients and micronutrients. •Identify the signs and symptoms of nutrient deficiency in plants. •Understand the basic concept of crop rotation and its benefits for soil health. 	<ul style="list-style-type: none"> • Explain the importance of plant nutrients and their role in plant health. • Identify and explain the signs and symptoms of nutrient deficiency in plants. • Understand the concept of crop rotation and identify its benefits for soil and plant health.. 	<ul style="list-style-type: none"> •Analyse the connection between plant health, soil health, and the environment. •Evaluate the benefits of crop rotation in maintaining soil fertility and reducing pests. •Be able to state and describe different egg production systems and identify various poultry production systems. 	<ul style="list-style-type: none"> •Design a crop rotation plan that maximises soil health and crop yield. •Identify and evaluate Farm Quality Assurance certifications and their significance in farming practices. •Analyse and propose solutions to improve poultry production systems, considering both intensive and extensive approaches. •Design their own comprehensive...