

**Bickham Farm – Your Local Organic Farm.**  
**Curriculum Links and Info**

Bickham Barn is an organic farm in valley in Kenn. Roddy Hall and his family live on the farm, rearing organic animals and growing fruits and vegetables. Roddy is passionate about the environment and his farm. On site facilities include a large barn with trestle tables and benches, kitchen and toilets which are available to visitors and ample parking.



**Bickham Farm, Kenn, Devon, EX6 7XL**

Through engaging with organic farmer Roddy, children will be able to explore the land and habitats on the farm, including woods, fields and hedgerows, Bickham Farm will support children to explore and understand what being a farmer means, what farming does, its role in providing food including the process of getting it from seed to the table, breeding and looking after animals for meat production and the farm's contribution to protecting the natural environment.

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Sessions are free to primary schools, we have availability for 2024. If you have a specific requirement please ask.

**English KS1, KS2**

Bickham Farm has a rich and engaging story to tell, covering the history of the farm and its place now as an organic farm. Within that story are:

- Engaging characters
- Recognition of the importance of the natural environment and looking after the planet, nature and ourselves
- The emergence of science in farming
- The contribution of an organic farm to our health and wellbeing through a good diet and the natural environment

### **Speaking, Listening, Reading, and Writing**

Young people will benefit from their experiences on the farm and its natural environment, with a focus upon spoken language to support communication, discussion and understanding, reading and writing through:

- Taking turns in speaking and listening
- Articulation, creative ways of describing and telling information and stories
- Vocabulary, the phrases and words used when talking about farming, the environment and science behind farming

Which in turn, will contribute toward the national statutory requirements of:

- Listening and responding appropriately to adults and their peers
- Asking relevant questions to extend understanding and knowledge
- Using relevant strategies to build their vocabulary
- Articulating and justifying answers, arguments and opinions
- Giving well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings
- Maintaining attention and active participation in collaborative conversations, staying on topic and initiating and responding to comments
- Using spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas
- Speaking audibly and fluently with an increasing command of Standard English
- Participating in discussions, presentations, performances, role play, improvisations and debates gain, maintain and monitor the interest of the listener(s)
- Consider and evaluate different viewpoints, attending to and building on the contributions of others
- Select and use appropriate registers for effective communication.

### **Maths KS1, KS2**

Maths plays an important role in farming, with farmers using it every day to calculate things such as how many seeds they might need for a field, how much it will cost to grow and look after crops, how much they need to sell produce for to pay for the costs of growing food and

running the farm. The modern farm uses simple and complex mathematics, providing examples which, due to the practical examples of how maths is used in farming, can contribute toward learning and understanding of:

- The fundamentals of mathematics
- Mathematical reasoning
- Solving problems

### **Numbers, Measurement, Space and Data**

The geography of the farm, its equipment, planning, problem solving and operation provide an opportunity to provide the basis for learning to support the national statutory requirements around:

- Geometry, shapes, position & direction and movement
- Number, place and value
- Number addition and subtraction
- Number multiplication and division
- Number fractions
- Measurement
- Statistics

### **Science KS1, KS2**

Science plays an increasing role in farming, covering the health and wellbeing of animals, plant and crop development and quality, reproduction, environmental impacts. This is particularly true of an organic farm, where the focus is upon working with nature rather than against it through the use of things such as herbicides and pesticides. At Bickham Farm we are totally organic, meaning we have to understand the science behind working with nature and the environment to help us get the best out of the farm and onto people's plates.

- Gaining knowledge and conceptual understanding through biology, chemistry and physics
- Developing understanding of different types of science that help the farm answer scientific questions about how it works and what it does.

- Understand the uses and implications of farming science

### **Science and farming**

The organic purpose of the farm, the way in which it works, how it plans, and works with the nature provide the basis for learning to support the national statutory requirements around:

- Working scientifically
- Plants, including flowers, trees and crops
- Animals
- Seasonal changes
- Living things and their habitat
- Use of everyday materials
- Evolution and inheritance

### **Personal, Social, Health and Economic Education KS1, KS2**

Bickham Farm provides a place where we can really begin to understand and see the benefits of nature and the environment on ourselves as human beings, the food we produce supporting our physical growth and health, the nature and environment we work with and in and its positive impact on our mental health and wellbeing, and the economic contribution of farming in creating work and jobs for people.

- Health and wellbeing
- Relationships
- Living in the wider world
- Children visiting and learning about Bickham Farm will benefit from a location where there are direct links to support learning around:
  - What constitutes a healthy lifestyle, physical activity, healthy diet
  - Make informed choices that help improve or maintain their physical and mental health
  - Thinking about themselves and learning from their experiences on the farm

- About growing up and changing
- Sharing and explain their opinions and what matters to them
- How to listen to others
- Recognising that people and other living things have rights and we all need to protect these
- What improves and harms our natural environments
- Understanding money and jobs