

## Archie's Farm Educational Visit

### Year 2 curriculum coverage for teachers.

#### Maths activity - Farm Builder

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Children are given the task to design a mini farm of their own using exciting mini resources. This is then used for the activities to develop their mathematical skills. There are various differentiated activities to engage in and each activity has a design outcome that involves using various maths skills with a problem solving emphasis.

- Design a farm with enough fields for the given number of animals.
- Use from £10 - £1000 (depending on ability) to buy enough food for your animals.
- Measure to work out how many fences you will need for your farm (can also extend to working out cost).
- Work to different given criteria e.g. use as few fences as you can to build a farm of given area.
- Children 'buy' some animals/equipment for their mini farm using their budget.
- Children can investigate area to perimeter patterns.
- Children can divide fields up in different patterns to accommodate different numbers of animals.

Many different Maths skills are used in this exciting activity. Children will play mathematically with their completed farms.

#### Programme of study:

- use place value and number facts to solve problems
- recognise fractions one third, one quarter, two quarters, half, of a length, shape, set of objects or quantity
- solve simple problems in a practical context involving addition and subtraction of money of the same unit
- solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, multiplication and division facts, including problems in contexts.
- recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables.

#### English activity - Worm Hunter

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**Creative poetry writing** This activity takes children on a sensory investigation around the farm and our small woodland areas.

Children hunt for 'hedgehogs'. At each hedgehog point there are different nature areas to investigate.

The children collect words/experiences/feelings whilst engaging in activities and exploring the natural forms around them. It is a great activity for developing rich language and encouraging children to think about the quality of the words and ideas that they use. The children use their ideas to make poems/group poems. The children will have opportunity to say words/sentences out loud; drafting, expanding and improving ideas before finalising poem/creative work. This work can either be done in groups or individually, as appropriate.

#### Programme of study:

In writing for different purposes, consider what they are going to write before beginning by:

- planning or saying out loud what they are going to write about
- writing down ideas and/or key words, including new vocabulary
- encapsulating what they want to say, sentence by sentence
- make simple additions, revisions and corrections to their own writing

learn how to use:

- sentences with different forms: statement, question, exclamation, command
- expanded noun phrases to describe and specify [for example, the blue butterfly]

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#### Science activity - Bug Hunter

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**Children will learn about bugs, habitats, life cycles, lifestyle and how bugs survive, change and multiply. Children are encouraged to behave scientifically by following guidelines in bug hunting, collecting information and collating/interpreting their findings.**

Children will use pictures, guide books, magnifiers and bug collectors to assist their explorations. Children will find out where bugs live and why. They investigate bug habitats and try to discover what bugs eat. They compare this to the farm animals. Children talk about things that are dead, living and have never been alive. Children explore how bugs get their food and they make some simple food chains. Children identify plants and trees.

##### Programme of study:

##### Living things and their habitats

Children will be taught to:

- explore and compare the differences between things that are living, dead, and have never been alive
- identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other
- identify and name a variety of plants and animals in their habitats, including micro-habitats
- describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.

##### Animals, including humans

Children will be taught to:

- notice that **animals**, including humans, have offspring which grow into adults
- find out about and describe the basic needs of **animals**, including humans, for survival (water, food and air).

#### Art activity - Treasures of Nature

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**There are various activities some of which may be more suitable depending upon the time of year:**

- Children look at the works of Goldsworthy and other outdoor artists. Children collect natural things and create their own environmental art pieces.
- Children can 'paint' with water. Brushes can be made using twigs, leaves and other natural things.
- Children use the natural materials around them to make a hanging mobile.
- Using plant dye around them from leaves and vegetation, children make a flag.
- Children find a Y shaped twig and use it to weave with natural materials that they find.
- Children make a home for their 'worm'.

(Teachers are recommended to bring cameras for children/teachers to photograph these art projects as some are temporary and cannot be taken away).

##### Programme of study:

- produce creative work, exploring their ideas and recording their experiences

##### KS1:

- to use drawing, painting and sculpture to develop and share their ideas, experiences and imagination.