

Archie's Farm Educational Visit

Year 1 curriculum coverage for teachers.

Maths activity - Farm Builder

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 - £500 (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.

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

Programme of study:

- count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens
- given a number, identify one more and one less
- solve one-step problems involving multiplication and division, by calculating the answer using concrete objects.
- recognise, find and name a half as one of two equal parts of an object, shape or quantity
- recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

(Pupils use the language of position, direction and motion, including: left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside.)

English activity - Worm Hunter

This activity takes children on a sensory investigation around the farm and our small woodland areas. They write poems based on their findings. Children hunt for 'hedgehogs'. At each hedgehog point there are different nature areas to investigate and words to collect.

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:

Reading:

- read words of more than one syllable that contain taught GPCs
- apply phonic knowledge and skills as the route to decode words

Writing:

- write sentences by saying out loud what they are going to write about
- compose a sentence orally before writing it

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Science activity - Bug Hunter

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 and compare to the farm animals, discussing omnivores, herbivores and carnivores.

Children identify plants and trees.

Programmes of study:

Plants

Children will be taught to:

- identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
- identify and describe the basic structure of a variety of common flowering plants, including trees.

Animals, including humans

Children will be taught to:

- identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
- identify and name a variety of common animals that are carnivores, herbivores and omnivores.

Art activity - Treasures of Nature

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.