

Archie's Farm Educational Visit

Year 3 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 up to £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
- **More able** children can decide which animals/tractors etc. to buy for their farm within a given budget.

Many different Maths skills are used in this exciting activity. Children will play mathematically with their completed farms as they continue to develop it.

Programme of study:

- solve problems, using number facts, place value, and more complex addition and subtraction
- add and subtract numbers mentally, including a three-digit number and ones/tens/hundreds
- scaling problems and correspondence problems in which n objects are connected to m objects
- solve problems that involve use of fractions
- measure the perimeter of simple 2-D shapes
- add and subtract amounts of money to give change, using both £ and p in practical contexts

English activity - Worm Hunter

Creative poetry writing - This activity takes children on a sensory investigation around 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 the children to think about the quality of the words and ideas that they use. The children use their ideas to make poems. The children will have opportunity to say words/sentences out loud; drafting, expanding and improving ideas before finalising poem/creative work.

Programme of study:

children plan their writing by:

- discussing and recording ideas.

draft and write by:

- composing and rehearsing sentences orally, progressively building a varied and rich vocabulary.

evaluate and edit by:

- assessing the effectiveness of their own and others' writing and suggesting improvements.

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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 explore nutrition – what bugs eat; how and why, and compare to the farm animals and humans. Children will find out where bugs live and why. They will investigate how bugs survive, move and protect themselves from predators.

Programme of study:

Animals, including humans Children will be taught to:

- identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat
- identify that humans and some other animals have skeletons and muscles for support, protection and movement.

Art activity - Treasures of Nature

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

- We look at the works of Goldsworthy and other outdoor artists. Children collect natural things and create their own environmental art pieces.
- Drawing skills - Children learn different pencil techniques/strokes and practice these. They then look through magnifiers and draw close detail of natural materials around them.
- Children '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 string of bunting or a flag.
- Children weave with natural materials that they find.

(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

KS2:

- to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]