Farm-linked activities for KS2 Design and Technology

KS2 Design and Technology activities that can be carried out before,

during and after a farm visit.

# Curriculum area: Design Make and Evaluate

Activities:

Investigation: Look at the uses of auger’s on farms, (to move corn to a loft). Show videos of the two main styles, belt and screw. Can the children design and build a manual auger to move corn from a lower to a higher level? They can use either design principle and must explain why they chose it and how well it worked.

Resources needed:

Bands, belts, pulley, cardboard, corn to test.

# Curriculum area: Cooking and Nutrition

Activities:

Investigation: which potato makes the best mash? Start by looking at the types of potato that can be grown; where in the world they come from, including food miles.

Make bread, look at wheat, rye and spelt crops and grains. Look at the growing cycle of wheat and relate to the seasons. Can you grind your own flour to make bread?

Investigation: Which is the best way to preserve fruit? e.g. air-tight container, freezing, jam.

Investigation: Which method of storage preserves milk the longest? e.g. airtight container, open-air, fridge, freezing.

Look at the processes the food goes through form the farm to your plate.

Resources

For mashed potatoes: Different potatoes, Cooking facilities for boiling, Kitchen tools eg potato peeler, knife, masher or fork

Resources needed:

For bread making: Recipe and ingredients (e.g. flour, yeast, salt, water). Cooking facilities for baking

For fruit preservation: Different types of fruit, Plastic bags and ties, Freezing facilities, Jam or bottling recipe and ingredients (e.g. sugar, spices), Clean jam jars with lids

For milk storage: Milk, Airtight containers, Fridge and freezer

Standing crops and grains, available from your local farm.

Coffee grinders to grind grain to flour.