

Yew Tree Farm School Lesson Plan

Title: - Number Bonds and Counting on the Farm.

<p>Date: 06/02/2020</p>	<p>School and Class: Reception – 30 Students</p>	<p>Session Length: Whole Day 10am – 2-30pm</p>
<p>Schools Objectives / Requirements: Pupils to have plenty of hands on interaction with animals. Pupils to be allowed to care and feed animals. Maths link – focusing on Counting to 20 and Number bonds to 10.</p>	<p>Additional Class Info: Year R – mainstream school, some differentiation needed in reading and maths levels and challenge of task. 4 teaching staff and 2 parent helpers accompanying.</p>	
<p>Overall Learning Objectives: I will be able to count the animals and produce on the farm, and use them to support me in completing number bonds. I will ask questions to improve my understanding. I will help to feed and clean out some of the animals.</p>	<p>Assessment of Learning: Success to be seen in pupils' responses to maths quiz. Pupils (or adults) can assess their own work, as they complete the Maths tour of the farm.</p>	
<p>Social Communication Goals: Pupils to work in groups to reach outcomes; ourselves and accompanying adults to ensure all pupils are given the opportunity to answer questions. Students to ask questions of staff to improve their understanding of the animals and the maths. Students to interact with animals throughout the day. Students to work as a team to complete final question.</p>		
<p>Morning - Starter/Introduction: 10am – 10.15 – Brief safety talk for all pupils/staff – all visitors must keep to Yew Tree Farm Rules for their own safety and that of our animals. 10.15 – 10.30 – Tour of Yew Tree Farm School to allow visitors to get their bearings and introduce our animals.</p>		
<p>Main Activities: 10.30 – 11.15 – In groups of 4-6 (this can be decided before by school, groups can be formed by level of differentiation needed if necessary), students to receive clear instructions for feeding their appointed animal, groups to follow instructions, this will include preparing the food for the animals, moving the animals if necessary, cleaning feeding equipment and feeding animals the correct amount of food. Instructions aimed at reception age reading level, including plenty of visual aids, although these can always be differentiated for different groups. Instructions to lean heavily on counting skills, counting the spoons of feed, the cups of water, etc. 11.15 – 12.00 – Students to repeat the activity, this time focusing on animal care. This may include grooming the animals, cleaning them out, re-locating them to runs, stables etc. Groups can change animals at this point or do a different animal</p>		

depending on school preferences – can be nice for each group to experience a small and a larger animal at this point.
 Extension – Can your group count all the animals on our farm? – watch out for the chickens – they like to hide! Keep your answer secret until this afternoon!

Plenary:
 12. – 12.20 – Tidy up time - students to return all equipment used to the correct location and ensure all animals are returned to enclosures.

12.20 – 1pm Lunch in Yew Tree Copse or Barn – weather depending! Students must wash hands before eating.

Students permitted to play games in copse and view animals during lunch.

Morning - Starter/Introduction:
 1pm – 1.10pm – Brief explanation of task ahead.

Main Activities:
 1.10 – 2.15pm – In groups of 4 - 6 with an adult accompanying each group. Students to complete a 'Counting Tour' of Yew Tree Farm. At each of the following stations – Sheep and Goats – Pigs – Chickens – Small Animals – Allotment – Kitchen - a Maths quiz (based on what the children see and touch in that area) can be found. Students to spend 10 minutes in each area, using the animal or produce in front of them to complete the questions. This may involve counting the chickens' eggs, adding our sheep and goats together, working out how many legs are in the rabbit run and much more. This will also allow groups time to mark their responses and experience each area of Yew Tree Farm School.

Plenary:
 2.15pm – 2.30pm – Final Challenge – How many animals at Yew Tree Farm School? Group nearest to the correct answer wins a small prize – did you find all those cheeky chickens?

Differentiation:
 AM - Groups to be advised by school staff – differentiated instructions can then be provided. Differentiation can also be through support, outcome and animal.
 PM – Differentiation through support and outcome, and quiz if necessary.

Resources:
 Differentiated animal feed and care instructions if needed.
 Clipboards and pens.
 Maths quizzes with answers.
 All necessary equipment needed for feeding and caring for animals.

Support needed from School Staff:
 School staff to ensure that pupils keep to the farm rules and guidelines as stated in morning talk.
 Staff to accompany groups on maths tour in the afternoon.

Learning/Ideas and Activities to take back to school:
 Students can take their responses to the maths tour and their experience of feeding and cleaning out the animals back to school for discussion for further work. We are happy for the school to take photos of the animals and produce, so answers to the maths quiz can be revisited once you are back at school.
 Students could make their own maths tours based on what they saw at Yew Tree Farm School, or develop the idea for a maths tour of their classroom. Please send

us any examples of work that children produce as a result of their visit – we would love to display it in our barn.

Possible development on further visits to Yew Tree Farm:

Further maths visits could involve students completing more complicated number bonds and in future years moving onto times tables – maybe looking at how much food the animals need. Students could work with animals that their group didn't spend as much time with on the initial visit.

We could build on the counting experience and harvest some vegetables to make, prepare and cook a soup that everyone could share. Using the recipe to count how much we needed of each ingredient

Pupils could visit and explore an English link, possibly looking at phonics or traditional tales.

Please contact us with any possible links to the National Curriculum you would like to cover and we will do our best to prepare an exciting session for your class.