

Stage 2: Growing our ingredients

Learning Objectives:

- To grow herbs from seeds
- To write a descriptive poem

Stage Overview:

In this stage, the children revise their learning on what plants need to grow and plant their own herb seeds to use in a future stage to flavour their bread dough. Giving the children the responsibility for caring for their own crops provides opportunities for them to experience the challenges of farmers and business owners in a very simple way. For example, if the crops do not grow, they will not have enough ingredients to make their products which will leave them with nothing to sell. A cross-curricular writing opportunity is planned in when the children use video clips to inspire them to write shape poetry from the perspective of a growing plant.

Materials needed:

- Herb seeds- basil and parsley work well
- Compost
- Plant pots

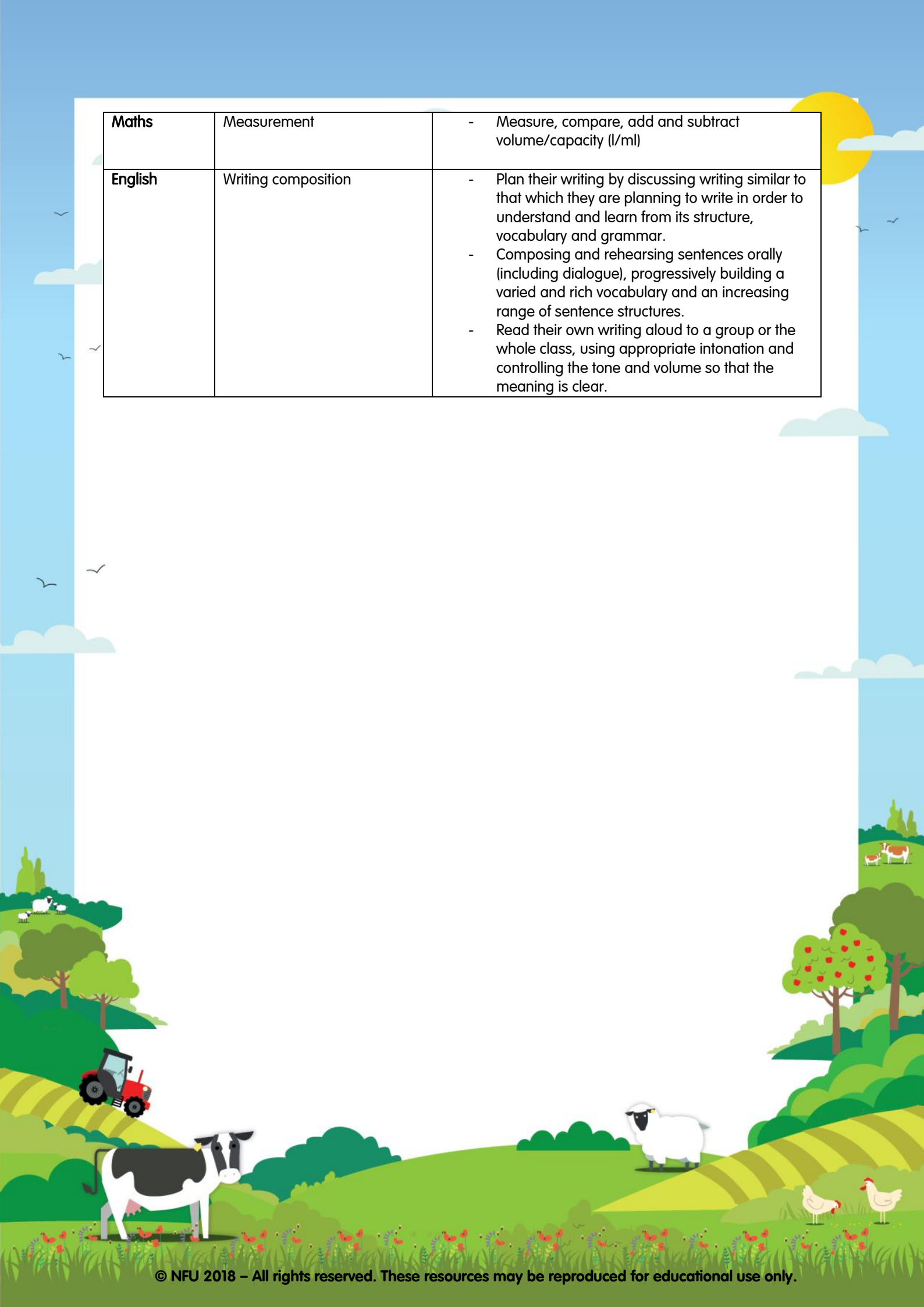
Presentation notes:

Slide 2 & 3: What do plants need?	<ul style="list-style-type: none"> - Use questioning to revise the conditions plants need to grow from last session. - Discuss herbs and ask the children to name as many as they can.
Slide 4: Carrot farm	<ul style="list-style-type: none"> - Share the Carrot Farm video to demonstrate the conditions needed for carrots to grow in the UK.
Slide 5: Applying learning	<ul style="list-style-type: none"> - Model how to plant seeds and explain that within each one there is a new plant waiting to sprout. - Discuss the best place in the classroom to keep the plants to help them grow.
Slide 6: Maths with meaning	<ul style="list-style-type: none"> - Decide on a standard measurement of water that they should give their plant each day. - Model how to measure water accurately.

Practical activity: Planting seeds	<ul style="list-style-type: none"> - Ask children to plant their seeds in small, labelled pots. - Lead a discussion about choice of pot material and which would be better for the environment. - Using iPads, you could ask the children to take photos of the steps taken when planting their seeds. They could then use the Shadow Puppet Edu iPad application to create a short video with these photographs in sequence and narrate an explanation of the instructions on how to plant a seed correctly. This application could also be used at the end of this stage to record their descriptive poetry as a video with images.
Slide 7: Nurturing our crops	<ul style="list-style-type: none"> - Lead a discussion about how we will monitor the health and growth of our plants and the importance of farmers, as business owners, doing this.
Slide 8: Poetry inspiration	<ul style="list-style-type: none"> - Explain that we are going to write a descriptive poem that we might like to incorporate into our non-food product that we will be making in Stage 8 or our advertising campaign that we will be writing in Stage 9 of the project. - Share the time-lapse video clips: - https://www.youtube.com/watch?v=LICDb8nM5rs - https://www.youtube.com/watch?v=eKo5F87A8a0 and ask the children to jot down any descriptive words or phrases that come to mind as they watch. - Encourage them to think of a range of verbs to convey the stages the young plant goes through.
Slide 9: Poetry tool kit	<ul style="list-style-type: none"> - Discuss the meaning of similes, metaphor and personification and ask the children to try to include some examples. - Explain that poetry lines do not need to be in full sentences and they do not have to rhyme. - Encourage them to experiment with different lengths of poetry lines and to move the order of their lines around to hear how they sound. - Ask the children to draft their poems. They could write in the first or third person. - Children should be given the opportunity to read their poems aloud and receive peer feedback from a partner before completing their final draft - You might like them to write their poems in the shape of a flower, leaf or plant to create a shape poem. - Ask the children to learn and perform their poems to the class. Use the opportunity to assess their spoken language skills.

Links to the National Curriculum:

Subject	Topic	Objective
Science	Plants	<ul style="list-style-type: none"> - Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant. - Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.
Design and Technology	Cooking and nutrition	<ul style="list-style-type: none"> - Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.



Maths	Measurement	<ul style="list-style-type: none">- Measure, compare, add and subtract volume/capacity (l/ml)
English	Writing composition	<ul style="list-style-type: none">- Plan their writing by discussing writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar.- Composing and rehearsing sentences orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures.- Read their own writing aloud to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear.