



FARMING STEMterprise

Stage 2: Teeth

Learning Objective:

- To identify the different types of teeth in humans and their simple functions

Stage Overview:

In this stage, the children learn the names and functions of the different types of teeth and apply this by making a map of their own teeth. They then learn how to look after their teeth and which foods will contribute to maintaining their tooth health. This learning will help them to develop their recipe for a calcium-rich food product in the next stage.

Materials:

- Unlabelled digestive system diagrams for vertical relay
- Mirrors
- Tooth map templates

Presentation notes:

Slide 2: Learning intention	<ul style="list-style-type: none"> - Share the learning intention and explain that this lesson we will learn all about teeth and how to keep them healthy. We will be using this learning to help us develop our calcium-rich food products in the next stage of the project.
Slide 3: Vertical relay	<ul style="list-style-type: none"> - Begin by asking the children to revise their learning from last lesson with a vertical relay. - Display several copies of the unlabelled digestive system diagrams around the classroom (one for each group). - Divide the children into mixed ability groups of no more than 6 children. - Ask then children to stand in a line in front of their group's diagram. - Explain that when you say go, they will be challenged to label the diagrams with any information they can remember from our learning on this topic as quickly as they can. - Each child is allowed to add one piece of information before passing the pen to the next child (like a relay baton) and then moving to the back of the line. - Explain that this is a race and they are competing with the other teams to be the first the label the whole diagram correctly with as much information as possible. - Collect responses and address any misconceptions.
Slide 4: Exploring our teeth	<ul style="list-style-type: none"> - Give the children a mirror each and ask them to examine their own teeth. How many do they have? How many differently shaped teeth can they see? - Talk through the power point slides, on each slide, first challenge the children to think about the jobs that the different shaped teeth do and then reveal the information about each tooth type.

Slide 5: Incisors	<ul style="list-style-type: none"> - Incisors are at the front of your mouth. They are used for biting off pieces of food and starting to chew them.
Slide 6: Canines	<ul style="list-style-type: none"> - Canines are at the sides of your mouth. They are more pointed than incisors. They are used for tearing and ripping food.
Slide 7: Molars	<ul style="list-style-type: none"> - Molars are at the back of your mouth. They are larger and flatter than your other teeth. They are used for crushing and grinding food. - You could give the children the opportunity to independently investigate teeth further using the BoneBox™ - Dental Lite Ipad application.
Slide 8: Plotting a tooth map	<ul style="list-style-type: none"> - Ask the children to use their mirrors to help them create a map of their own teeth on the template. - Ask them to label their diagrams using a key and a short paragraph of information on the function of each of their tooth types.
Slide 9-10: Healthy teeth	<ul style="list-style-type: none"> - Explain that some foods will help keep our teeth strong and healthy while some can weaken and damage them. In pairs, ask the children to list the food that they think could be beneficial to their teeth and address any misconceptions. - Explain that for healthy bones and teeth, we need to ensure we have calcium in our diets. Milk and dairy products, along with other foods such as leafy green vegetables, are important sources of calcium. - Challenge the children to think of as many dairy products as they can name.
Slide 11: Dairy products	<ul style="list-style-type: none"> - Share the list of dairy products and explain that in the next stage they will be working scientifically to investigate the effect that heat has on a range of dairy products.

Links to the National Curriculum:

Subject	Topic	Objective
Science	Animals, including humans	Identify the different types of teeth in humans and their simple functions
Design and Technology	Cooking and nutrition	Understand and apply the principles of a healthy and varied diet