

Science

Before this session, watch the video from the Stem website

(<https://www.stem.org.uk/elibrary/resource/35396>) and look at the stills of the digestive system

demonstration ([http://www.homeschoolroom.com/digestive-system-](http://www.homeschoolroom.com/digestive-system-demonstration/http://www.ngkids.co.uk/science-and-nature/digestive-system)

demonstration/<http://www.ngkids.co.uk/science-and-nature/digestive-system>) – you will be recreating the STEM video (with the addition of the 1st 4 stages explaining the teeth from the homeschoolroom example) during the input so will need to practise first and have all the resources ready.

Move through the PowerPoint –

Slide 1. Were you able to recall that from the previous session?

Slide 2 - jot your ideas down.

Slide 3 - Jot down your responses. When you are ready to swallow, start the timer and swallow. Shout stop after 6 seconds. The cracker has now arrived in the stomach.

Slide 4 – Discuss this. Many think it will be longer because it has to travel ‘up’. It is actually the same amount of time!

After Slide 5, look at all the 1st stages (up to the stomach) of the digestive system as demonstrated. Repeat the scientific language. Recap each stage.

Move through the final stages of digestion at the same time as moving through the final slides.

Activities

1: **Make** the digestive system using the cut-out body parts and labels (session resources), explaining it to another as they do it.

2: **Write** sentences (or match sentences) about the function of each of the basic parts of the digestive system (writing frame in session resources).

3. **Demonstrate** the digestive system using real food (as you did in the whole class intro). Have a table set up with resources. Explain what is happening at each stage.

Refer back to what you knew about the digestive system at the beginning of the session. How much more do you know now? Can you name some of the basic parts? Oesophagus (gullet), stomach, small intestine, large intestine (colon), anus (bottom). Can you offer any facts that you have learnt? How long does it take the oesophagus to move food from the mouth to the stomach? – about 5-6 seconds (even if you are upside-down). Which is longer, the large or the small intestine? How long does it take for the food to travel from your stomach to the small intestine? – about 20 minutes (and it’s the small intestine that sends the message to your brain that it is full. Explain the digestive system from beginning to end by explaining the next stage, and then the next