

Hook:

Journey through the digestive system

Look at and have a go at scratch quizzes on the digestive system—think about possible q's and a's for own quiz



Topic Name: Burps, Bottoms and Bile

Focus: Science/Computing



Knowledge:

- What are the parts of the digestive system?
- What are the functions of the parts of the digestive system?
- What are the types and function of teeth?
- What is tooth decay?
- What are the parts of a food chain?
- What is a sequence?
- What are variables?
- What is a sprite?
- What is coding?

Learning Journey:

Discuss meaning of digest/digestion. See what children already know—can they label the parts? Play a game to learn the correct parts. Can they now label the parts using the key words?

Look at the advantages and disadvantages of different types of quizzes. Explore scratch—look at the different programming blocks and what they do. Think about quiz topic—what questions need to be asked? Look at the bocks on scratch—can they make a simple algorithm?

Learning Journey:

Recap the parts of digestive system. What do they think each parts' job is? go through key vocabulary. Learn functions as part of the process. Each step at a time.

Recap previous learning—what is an algorithm? Look at scratch—can we successfully program our first question? Create a sequence of instructions using scratch.

Learning Journey:

Mini quiz - parts and functions of digestive system. Identify types of teeth—discuss possible functions. Discuss similarities and differences between animals and the teeth they need. Quiz on Kahoot.

Change the features of the sprite - add sprite speaking - correct/incorrect for questions. Add other questions to quiz.

Vocabulary:	Prey	Sprite
Digestion	Predators	Coding
Functions	Algorithm	Manipulation
Digestive system	Debugging	Project
Tooth Decay	Programming	
Food chains	Sequence	
Producers	Duplication	
	Variables	

Characteristic foci:

Resilience/Respect

Learning Journey:

Recap teeth learning—parts and functions. Discuss tooth decay - what is it? Set up experiment to test tooth decay.. Later in the week—write up results of experiment.

Learning about how to add a scoring system to the scratch quizzes. Why do we need a scoring system? How would it improve the quizzes? Evaluate each other's quizzes—are there any problems that need to be fixed? What is good?

Skills:

- Label parts of digestive system
- Label the types of teeth
- Construct a food chain
- Design simple experiment
- Identify differences and similarities
- Ask and answer relevant questions
- Programme variables using sequences and duplication
- Debug a program to find and correct errors
- Use scratch to create own quiz

Curriculum Coverage:

- Describe the simple functions of the basic parts of the digestive system in humans
- Identify the different types of teeth in humans and their simple functions
- Construct and interpret a variety of food chains, with producers, predators and prey.
- Design, write and debug programs that accomplish specific goals
- Use sequence, selection and repetition in programs
- Use logical reasoning to explain how simple algorithms work and find and correct errors.

Learning Journey:

Recap learning on food chain. Introduce vocabulary and learn meaning of each one. Construct and interpret food chains , moving on to food webs. Quiz on Kahoot!

Add finishing touches to quizzes—make sure the program works as it should. Can they add a sound when the answer is incorrect and one for correct?

Trip:

Display Plan:

Labelled model of the digestive system - with short function captions.

Outcome:

Create own quizzes about digestive system using scratch.



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What do they already know?

What are the five senses?

Which body part links with each sense?

How do we keep ourselves safe?

Can you name different parts of the body?

Why is it important for humans to exercise?

Why is it important for humans to eat the right amounts of food?

Why is hygiene important?

What is a skeleton? · What are the main functions of the skeleton?

What is a muscle?

What are the main functions of the muscles?

What is a program?

What is coding?

How can you be safe online?

How do I turn on an iPad?

How do I find an app on an iPad?

What is an algorithm?

What is debugging?

What is programming?

How will they remember it?

- Recap previous learning from previous years by questions and answers.
- Using century AI to consolidate learning
- Mini quizzes at the end of lessons to retrieve learning from this and previous lessons
- Mini plenaries to bring learning altogether.
- Key vocabulary and learning displayed in classroom
- Recap previous lessons at the start of every lesson
- Make the links clear to the children so they understand how the knowledge connects and how they have built upon it
- When topic is finished—continue retrieval by using quizzes and linking (where possible) to next topic.

Which resources will I need?

- Laptops —scratch
- Experiment equipment - eggs, different liquids