

# Animals Including Humans: Transporting Water And Nutrients

<p><b>Aim:</b></p> <p>To describe the ways in which nutrients and water are transported within animals, including humans in the context of the human body.</p> <p>I can explain how water and nutrients are transported within the body.</p>	<p><b>Success Criteria:</b></p> <p>I can state how the digestive system breaks down nutrients.</p> <p>I can explain the role of the different parts of the circulatory system in transporting nutrients and water in the body.</p>	<p><b>Resources:</b></p> <p><b>Lesson Pack</b></p> <p>A3 paper Tissue Paper Coloured Card Felt Tips Coloured Pencils Crayons</p>
	<p><b>Key/New Words:</b></p> <p>Nutrients, nutrition, water, system, circulatory, digestive, skeletal, muscular, blood, blood vessels, heart, lungs, stomach, gall bladder, liver, small intestine, large intestine, pancreas, liver, kidneys, rectum, bladder.</p>	<p><b>Preparation:</b></p> <p><b>Digestive System Functions Activity Sheet</b> - 1 per group</p> <p><b>Transporting Nutrients and Water Activity Sheet</b> - 1 per group</p> <p><b>Transporting Water and Nutrients Planning Activity Sheet</b> - 1 per child</p>

**Prior Learning:** It will be helpful if children have learnt the name of the parts in the digestive system and their functions.

## Learning Sequence

	<p><b>Why Do We Need Nutrients?</b> Children match the types of nutrients with the reason why we need them.</p>	
	<p><b>How Do We Get Nutrients?</b> Show a picture of the digestive system. Place children into small mixed ability groups to recall the functions of the different parts of the digestive system using the <b>Digestive System Functions Activity Sheet</b>. When the sheets are completed, groups swap their sheets, and peer mark using the answers on the <b>Lesson Presentation</b>. Address any misconceptions or errors arising from this activity.</p>	
	<p><b>How Does It Work?</b> Give each child a copy of the differentiated <b>Transporting Water and Nutrients Planning Activity Sheet</b>. Read through the information on the following 5 slides to explain the processes of the digestive and excretory systems while children take detailed notes.</p>	
	<p><b>Explanation Diagram:</b> In ability groups children use notes from their <b>Transporting Water and Nutrients Planning Activity Sheets</b> to create a diagram on A3 paper explaining the transportation of water and nutrients through the body.</p> <p>Children given Transporting Nutrients and Water Activity Sheet to support with creating their diagram.</p> <p>★ ★ ★</p> <p>Children create two diagrams – one for transporting water and one for transporting nutrients.</p> <p>★★★</p> <p>Children create one diagram for both the transportation of nutrients and water.</p>	
	<p><b>Presentation:</b> In groups, children present their findings to the rest of the class.</p>	

## Taskit

**Researchit:** Children research how nutrients and water are transported in other animals.

**Labelit:** Children match the parts of the body and what nutrients they required using the **Where Are Nutrients Needed? Activity Sheet**.