

Key Stage 2 Science

Introducing and understanding type 1 diabetes through science.

Resources required

- KS 1 & 2 Presentation
- Task Sheets 1 & 2 : one between two children
- Type 1 Diabetes Made Simple interactive book.

Learning outcomes

Children are able to list and identify the main parts of the body and their functions – with emphasis on the role of the pancreas.

Stimulus and input

Using KS1 & 2 Presentation

Me and my body, ask pupils to name the organs:

- Brain • Kidneys • Intestines
- Heart • Bladder • Pancreas
- Lungs • Skeleton • Stomach

Can the pupils place the organs correctly on the body? Do you know what they do? (IWB features outline picture of body with organs to be dragged onto outline).

Read the Type 1 Diabetes Made Simple interactive book (pages 1 - 12).

Talk about the function of the stomach and the pancreas and where they are located in the body.

CURRICULUM-LINKED ACTIVITY PLANS

Task (in pairs) using Task Sheets 1 and 2

Children work in pairs to cut out and describe the organs and place them correctly onto the body template.

Review children's completed templates. Have they described them correctly? Have they understood the function of the pancreas in type 1 diabetes?

Take a closer look at the pancreas. Use the Type 1 Diabetes Made Simple interactive book (pages 1 - 12) to explain how the pancreas produces insulin and regulates the blood glucose (sugar) levels. Discuss what happens if insulin is not produced and how this affects the body. This can happen in children and is known as type 1 diabetes.