

Lesson 1:

Sanitation and hygiene

Subjects:

Literacy, Geography, Science and PSHE

Key words:

dirty, sanitation, germs, hygiene

Learning objectives:

- ★ Understand the importance of water sanitation and good hygiene
- ★ Recognise the implications of poor sanitation
- ★ Understand the proper hand washing process

Success criteria:

- ★ I understand that some people throughout the world do not have access to proper toilets and good sanitation
- ★ I know that poor hygiene can make people sick
- ★ I understand how to wash my hands properly and why this is important for my health and the health of others

Extension activities:

- ★ Discuss the types of things which should and should not be flushed down the toilet (pee, poo and paper only) and the implications of flushing other items which do not break down

Differentiation:

- ★ To adjust both the Starter and Task 1 for less able / younger pupils, these activities can be delivered as a group discussion - observing (as a class), the differences between the two toilet pictures and discussing the letter from Hanna in Task 1
- ★ Hot seating can be used to enable pupils to better understand Hanna's life in Ethiopia

Starter: Talking about toilets

Task 1: Meet Hanna

Task 2: Hand washing

Plenary: Key learnings

Lesson activity

- ★ Show children the image on slide 2 of the supporting presentation and ask them what they think this image shows. Once they have offered a few suggestions, explain that this is a toilet belonging to the Sor school in Ethiopia which is one of 10 similar toilets used by 224 pupils at the school.
- ★ Next show the image on slide 4 which shows a typical bathroom they will recognise. Slide 6 places the two images side-by-side and asks children to observe the main differences. Responses should be written on the IWB and children should be asked to consider hygiene in their observations, such as lack of flush and hand-washing facilities in the Ethiopian toilet. They should also think about the toilet facilities within their own school.
- ★ Slide 7 introduces the children to a girl called Hanna. She is from the Mettu district of Ethiopia and attends the Sor school mentioned in the Starter activity.
- ★ Slides 8-9 explain where Ethiopia is located and give some background for those children who have not completed any of the other activities within this resource.
- ★ Explain that in many parts of the world children don't have access to proper toilet and sanitation facilities – and without the provisions to keep clean, many are affected by serious sickness and many die.
- ★ Slide 10 lists some worldwide facts relating to sanitation. You can make these more comprehensible to children by using members of your class. For instance, the first fact equates to 1 in every 3 people – so this can be demonstrated by asking every third child counted to stand up.
- ★ Slides 11-14 explain some of the ways WaterAid work with people around the world to help them gain access to safe water, sanitation and hygiene information. Slide 15 shows a letter from Hanna and explains how WaterAid have helped her school by providing new toilet facilities and the implications of this on her life.
- ★ Children should read the letter and write back to Hanna – answering her questions and acknowledging how they understand the ways in which the new toilet facility will benefit her school. They should express understanding and empathy towards the issues Hanna faced before the new toilet facilities were built and also convey their happiness at the situation now being remedied. Children should observe the rules of letter writing in their response and ensure their letter has their school address in the top right-hand corner and the date under the address. They should also start the letter with 'Dear' and conclude with 'Yours sincerely'.
- ★ Begin this activity with a discussion about hand washing. Ask children why they think it is important to wash their hands and what they think could happen if they do not do this. Explain that microorganisms are tiny living things that can only be seen under a microscope and that those that cause illness are often called 'germs' – which can be spread from person-to-person. Help pupils to understand that proper hand washing can help stop the spread of germs.
- ★ Using the supporting Statement cards (which should be photocopied and handed out), separate children into small groups and ask each group to discuss the statements – deciding together whether they think each is true or false. Groups should be given about 15 minutes during which to do this.
- ★ After the allocated time, the class should re-assemble and answer the quiz questions on slides 16-25.
- ★ Ask children to suggest various situations where they think hand washing is necessary. These can be written on the IWB before showing the list on slide 27.
- ★ Using a bowl of clean, warm water with soap, ask a volunteer to demonstrate how they wash their hands. Once they have finished, use a second bowl of water to demonstrate the recommended way. Slide 29 details this process.
- ★ Once children feel comfortable with the process, they should write a list of instructions for their school toilet, explaining how to do this properly. Their instructions should:
 - Be written in order
 - Be clear and suitable for the audience
 - Be short and concise
 - Use bullet points or numbers
 - Include a range of diagrams to demonstrate each step
 - Use a range of directives and time connectives.
- ★ Using the water droplet template on Worksheet 2, children should write one thing they are thankful for regarding water sanitation and place it in a 'jar of thanks' or on a 'board of thanks' to create a display piece.

Further ideas for this Task

- ★ This lesson can be further extended with the use of a UV hand hygiene lotion which is formulated using UV revealing particles, invisible under normal light. These particles will glow bright green when exposed to a UV light source. The lotion can be applied to an item or a volunteer's hands and be invisibly passed from pupil to pupil before revealing the transmission under UV light. This is a particularly effective way of demonstrating the spread of germs and the importance of good hand washing.
- ★ In addition to a set of instructions, pupils can create a poster or flip book animation to demonstrate the correct hand washing technique.



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