

# LESSON PLAN



**LEARNING TARGET:** WALT or L.O. Design a product to help people with leprosy to safely pick up cooking pots.

**LEARNING OUTCOMES:** Able to plan and design a product. Importance of using the correct materials.

**GLOBAL DIMENSION CONCEPT/S INCLUDED:** CONFLICT RESOLUTION / SOCIAL JUSTICE / **VALUES & PERCEPTIONS** / **SUSTAINABLE DEVELOPMENT** / INTERDEPENDENCE / HUMAN RIGHTS / DIVERSITY / GLOBAL CITIZENSHIP

## CURRICULUM

### Developing, planning and communicating ideas

**1 a)** Generate ideas for products after thinking about who will use them and what they will be used for, using information from a number of sources, including ICT-based sources

**1d)** Communicate design ideas in different ways as these develop, bearing in mind aesthetic qualities, and the uses and purposes for which the product is intended

### Evaluating processes and products

**3a)** Reflect on the progress of their work as they design and make, identifying ways they could improve their products

## RESOURCES

The supporting PowerPoint for this lesson can be downloaded from our website at [www.worldleprosyweek.org](http://www.worldleprosyweek.org) under Free lessons Key Stage Two

## KEY WORDS

Aesthetic  
Design  
Material

## LESSON ACTIVITIES

### Introduction

Share with the children that it is World Leprosy Week (26 – 30 January). This year The Leprosy Mission is focusing on a project in Chanchaga, a rural village in Nigeria.

People who live with leprosy can suffer from 'claw hands' and from losing parts of their fingers. It is important that, where possible, they are supported to live independent lives. However, without having all their fingers they can find it very difficult to do basic things like cook. There is also the added danger that due to loss of the sense of touch they can often burn themselves.

This is where you need to come in and lend a helping hand. We have a responsibility to help others, even people in other parts of the world. Can you think of a design that could be used by people affected by leprosy to do every-day chores? Here is what the product needs to do:

- Protect hands when picking up and putting down hot pots
- Be light enough that they can use their arm to lift it
- Be strong enough that it does not break
- Be aesthetically pleasing so that they will want to use it

### Main activity

Bearing in mind the criteria above, can you think of a device that could help people with leprosy to do every-day chores?

Think about the following aspects:

- How is it joined together? Glue? Screws? Nails?
- What materials will you use?
- What will it look like?
- What equipment will you use to make it?
- How will you decorate it?

Turn to a partner and share your initial ideas. Now discuss with them as a class and highlight the strengths and weaknesses of some of the plans. Once the children have a reasonable idea of what they would like to design provide them with the design sheet (download from [www.worldleprosyweek.org](http://www.worldleprosyweek.org) under Lessons / Art and DT) and ask them to write down their plans.



### Plenary

Using the design guide, above, ask children to review a partner's design feeding back the strengths and weaknesses of the design. They can also use the evaluation form to assist with their evaluation.

Choose examples of designs that meet the criteria and also some that don't. Ask the children to identify which ones do not meet the criteria and ask why.

What would they do differently next time?



### EXTENSION WORK:

Have the children build their design and test whether it fits the desired criteria (bear in mind Health and Safety and to use cold pots).