

LESSON PLAN

LEARNING TARGET: WALT or L.O. Create a budget for the project.

LEARNING OUTCOMES: How to:

- break down a complex problem into simpler steps
- identify important data in word problems
- plan and present a budget.



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

CURRICULUM

Ma2 Number

Using and applying number

1 b) develop flexible approaches to problem-solving and look for ways to overcome difficulties

1 c) make decisions about which operations and problem-solving strategies to use

Numbers and the number system

2 a) count reliably up to 20 objects at first and recognise that if the objects are rearranged the number stays the same; be familiar with the numbers 11 to 20; gradually extend counting to 100 and beyond

Solving numerical problems

4 a) choose sensible calculation methods to solve whole-number problems (including problems involving money or measures), drawing on their understanding of the operations

RESOURCES

The supporting PowerPoint for this lesson can be downloaded from our website at www.worldleprosyweek.org under Free lessons Key Stage One

LESSON ACTIVITIES

Teacher's notes

This lesson can be linked to the PSHE lesson which debates what the money should be spent on, and the Literacy lesson where children write a letter asking the Nigerian government for more money.

This lesson can be easily adapted for various ages / abilities by adjusting the figures in the Excel file which can be downloaded from the website. The more able children (in year two) could use the Key Stage 2 budget and questions.

Introduction

Share with the children that it was World Leprosy Day on Sunday 25th January. This year The Leprosy Mission is focusing on a project in Chanchaga, a rural village in Nigeria.

Today we are going to help the people in Chanchaga create a budget. We don't have enough money for everything, so we are going to have to decide how the money is spent.

Review the budget

Familiarise the children with the budget and demonstrate how to find the correct data.

1. How much would a complete uniform cost? £4
2. Which item is the most expensive? Build new house £20
3. How much is a school book? £8
4. Which items cost £17? Small business loan and Repair road to village from highway
5. How much would it cost to buy a book and a seed packet? £9
6. How much would it cost to buy a complete uniform and to build a new classroom? £19
7. What is the most expensive item and how much is it? Build new house at £20

Provide the children with the following questions (you can print the page from the PowerPoint).

Activity One

Now that you know how to find the data have a go at answering the following questions.

HA

1. How much is a child's education for one year? £12
2. How much is a small business loan? £17
3. How much are a complete uniform and tractor running costs for one month? £13

KEY WORDS

Budget, Addition, Multiplication, Subtraction, Graph, Data, Excel

Abbreviations

HA – High Ability

MA – Middle Ability

LA – Low Ability



4. I have £10. What could I buy? 10 seed packets or 1 seed packet and tractor running costs for one month.
5. How much is a new house, a book and a seed packet? £29

Gifted and talented bonus questions

1. If I had £30 what could I buy? (There are lots of combinations. One answer would be a new house and a pair of crutches.)
2. If I bought two books and a complete uniform how much would I spend? £20
3. What are the two most expensive items in the budget? Build new house and Repair road to village from highway £17
4. If you add the two most expensive items up how much would it be? £37

MA

1. How much is a complete uniform? £4
2. How much does it cost to build a classroom? £15
3. What is the cheapest item on the budget and how much is it?
Seed packet at £1
4. How much is a book and a seed packet? £9
5. How much does it cost to keep the tractor running for one month and buy a complete uniform? £13

LA

1. Which item costs £1? Seed packet
2. Which item costs £15? Build classroom
3. How much are the crutches? £10
4. How much is a child's education for one year? £12
5. How much would it cost to buy a seed packet and crutches? £11

Activity Two

The Nigerian government, in response to a letter from the people of Chanchaga (cross-link Literacy lesson on writing a persuasive letter), have agreed to give the village £50. They will not be able to afford every item on the budget. Decide what items they can afford, or, if you have already had your PSHE lesson, choose the items you have prioritised from that lesson and decide how you would spend the money.

Work in mixed ability pairs or groups of four.

Note: You can extend this to further lessons by asking the children to present their budget to the class on large poster paper. They can think about which type of graphs they should use to present the information and how they will communicate their plan to the rest of the class.

Pictogram graphs can be made using shapes. Their plans could also feed back into the PSHE lesson and help develop their debate on what the villagers should do with their money.

Plenary

Groups to present back their final budget showing what they chose to spend the money on and why.

EXTENSION WORK:

- A further lesson can be taught looking at how the data can be represented.
- Children could devise questions for each other using the budget.

CHANCHAGA VILLAGE BUDGET

ITEM	QUANTITY	PRICE <i>Pounds</i>
School book	1	8
Build classroom	1	15
Build new house	1	20
Child's education for one year	1	12
Complete uniform	1	4
Crutches	1	10
Medicine for the clinic for one month	1	11
Repair road to village from highway	1	17
Tractor running costs for one month	1	9
Seed packet	1	1
Small business loan	1	17
TOTAL	11	124

