

## LESSON PLAN

<b>Learning Area:</b> Mathematics		<b>Grade:</b> 4	<b>Integration:</b>		<b>Content:</b>
<b>Lesson:</b> Module 1: Whole numbers and their relationships					
<b>Duration:</b>			<b>Date/Week:</b>		
Learning Activities:	Learning outcome:	Assessment Standards:	Teaching methods and Lesson Progression:	Resources:	Assessment:
Activity 1: Count forwards and backwards in 2s; 3s; 5s; 10s; 25s; 50s and 100s from 0 to 10 000	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.	1.1 count forwards and backwards in a variety of intervals (including 2s; 3s; 5s; 10s; 25s; 50s and 100s) between 0 and 10 000.			
Activity 1: Begin to use a calculator	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.	1.10 uses a range of techniques to perform written and mental calculations with whole numbers including:  1.10.5 using a calculator.			
Activity 1: Begin to perform mental calculations involving addition and subtraction	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.	1.9 performs mental calculations involving: addition and subtraction:  1.9.1 adding and subtraction.			

Learning Activities:	Learning outcome:	Assessment Standards:	Teaching methods and Lesson Progression:	Resources:	Assessment:
Activity 1: Begin to solve problems in context	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> <p>The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.</p>	<p>1.6 solves problems in context including contexts that may be used to build awareness of other Learning Areas, as well as human rights, social, economic and environmental issues.</p>			
Activity 2: Recognise the place value of digits in whole numbers	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> <p>The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.</p>	<p>1.4 recognizes the place value of digits in whole numbers to at least 4-digit numbers.</p>			
Activity 2: Recognise and represent whole numbers in order to describe and compare them	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> <p>The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.</p>	<p>1.3 recognizes and represents the following numbers in order to describe and compare them:</p> <p>1.3.1 whole numbers to at least 4-digit numbers.</p>			
Activity 3: Use a range of techniques to perform written and mental calculations with whole numbers	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> <p>The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.</p>	<p>1.10 uses a range of techniques to perform written and mental calculations with whole numbers.</p>			

Learning Activities:	Learning outcome:	Assessment Standards:	Teaching methods and Lesson Progression:	Resources:	Assessment:
<p>Activity 3: Estimate and calculate by selecting and using operations appropriate to solving problems</p>	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> <p>The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.</p>	<p>1.8 estimates and calculates by selecting and using operations appropriate to solving problems that involve:</p> <p>1.8.1 rounding off to the nearest 10; 100 or 1 000.</p>			
<p>Activity 3: Solve problems that involve comparing two or more quantities of the same kind (ratio)</p>	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> <p>The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.</p>	<p>1.7 solves problems that involve:</p> <p>1.7.1 comparing two or more quantities of the same kind (ratio).</p>			
<p>Activity 3: Use a range of strategies to check solutions and judge their reasonableness</p>	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> <p>The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.</p>	<p>1.11 uses a range of strategies to check solutions and judge the reasonableness of solutions.</p>			

Learning Activities:	Learning outcome:	Assessment Standards:	Teaching methods and Lesson Progression:	Resources:	Assessment:
<p>Activity 4: To solve problems in context including economic and environmental issues such as: financial problems and drawing up a simple budget</p>	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> <p>The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.</p>	<p>1.6 solves problems in context including contexts that may be used to build awareness of other Learning Areas, as well as human rights, social, economic and environmental issues such as:</p> <p>1.6.1 financial (including buying and selling, and simple budgets).</p>			
<p>Activity 5 To describe and illustrate various ways of counting in local languages and different cultures throughout history</p>	<p style="text-align: center;"><b>LO 1</b></p> <p><b>NUMBERS, OPERATIONS AND RELATIONSHIPS</b></p> <p>The learner will be able to recognise, describe and represent numbers and their relationships, and to count, estimate, calculate and check with competence and confidence in solving problems.</p>	<p>1.2 describes and illustrates various ways of counting in different cultures (including local) throughout history.</p>			
<p><b>Teacher reflection:</b></p>					