



**KWAZULU-NATAL PROVINCE**

EDUCATION  
REPUBLIC OF SOUTH AFRICA

**AMAJUBA DISTRICT**  
**MATHEMATICAL LITERACY**  
**CURRICULUM HANDOVER TOOL**  
**GRADE 10**  
**2021**

**NAME OF SCHOOL:** \_\_\_\_\_

**NAME OF TEACHER - 2020:** \_\_\_\_\_

**NAME OF TEACHER - 2021:** \_\_\_\_\_



*(It is understood that not all content/skills could be taught in 2020. This template will inform teacher planning for 2021, as concepts foundational to subsequent learning that were not taught in 2020 will need to be taught in 2021. The Recovery ATPs will provide further guidance in this regard. This will complement the baseline which will be conducted in schools. A workshop will be organised to show how the EMIS/District Dashboard can be used diagnostically.)*

TERM 1	TOPIC	CONTENT AREA/TOPIC CONCEPT/SKILLS COVERED AS PER THE REVISED ATP	THE SKILL/ CONTENT TAUGHT	% OF LEARNERS WHO MASTERED	COMMENTS/REMARKS
WEEK 1	NUMBERS AND CALCULATIONS WITH NUMBERS	<b>Number formats:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Decimal point/comma; thousand separators (1000, 1000 000, etc.)</li> <li><input type="checkbox"/> Positive and negative numbers in contexts; conversions between number formats (e.g. dozen, over, century, etc.)</li> <li><input type="checkbox"/> Time formats conversions (sec – min – hours – days – weeks – months – years – decade)</li> </ul>			
WEEK 2		<ul style="list-style-type: none"> <li><input type="checkbox"/> Operations with whole numbers and decimals with and without a calculator (BODMAS)</li> <li><input type="checkbox"/> Use a calculator to find: square, cube and the square root of a number</li> <li><input type="checkbox"/> Operations with fractions</li> </ul>			
WEEK 3 AND 4		<ul style="list-style-type: none"> <li><input type="checkbox"/> Rounding, Ratio, Rates, Direct and Inverse proportion, Percentages</li> <li><input type="checkbox"/> Rounding-off: to a specified number of decimal places, to the nearest whole number, up or down</li> <li><input type="checkbox"/> Ratio's: situations, formats and calculations</li> <li><input type="checkbox"/> Rates: meaning, types and calculations</li> <li><input type="checkbox"/> Percentage: notation and calculations;</li> <li><input type="checkbox"/> Percentage increase and decrease calculations in contexts</li> </ul>			

WEEK 5		<p><b>Patterns and relationships:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Constant, direct proportion and inverse proportion relationships.</li> <li><input type="checkbox"/> Tables with input and output values</li> </ul>			
WEEK 6 AND 7	PATTERNS RELATIONSHIPS & REPRESENTATIONS	<p><b>Pattern and relationship representations:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Table with dependent and independent values</li> <li><input type="checkbox"/> Equations</li> <li><input type="checkbox"/> Graphs</li> </ul> <p><b>Interpretation of:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Tables</li> <li><input type="checkbox"/> Graphs (determine: dependent and independent values, zero values, min/max values, missing values)</li> <li><input type="checkbox"/> Write a story from a graph or draw a graph from a story</li> </ul>			
WEEK 8		<p><b>DATA</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Developing questions.</li> <li><input type="checkbox"/> Collecting data</li> <li><input type="checkbox"/> Classifying and organizing data.</li> </ul>			
WEEK 9	DATA HANDLING	<p><b>DATA</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Summarising data.             <ul style="list-style-type: none"> <li><input type="checkbox"/> Mean</li> <li><input type="checkbox"/> Median</li> <li><input type="checkbox"/> Mode</li> <li><input type="checkbox"/> Range</li> </ul> </li> <li><input type="checkbox"/> Analyse data represented by the above</li> </ul>			

TERM 2	TOPIC	CONTENT AREA/TOPIC CONCEPT/SKILLS COVERED AS PER THE REVISED ATP	THE SKILL/ CONTENT TAUGHT	% OF LEARNERS WHO MASTERED	COMMENTS/REMARKS
WEEK 1	FINANCE	<b>Financial documents</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Household bills</li> <li><input type="checkbox"/> Shopping slips</li> <li><input type="checkbox"/> Banking documents</li> <li><input type="checkbox"/> Household budget</li> <li><input type="checkbox"/> Terminology used in above documents</li> </ul>			
WEEK 2		<b>Tariff systems</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Municipal tariff</li> <li><input type="checkbox"/> Telephone tariff</li> <li><input type="checkbox"/> Transport tariff</li> <li><input type="checkbox"/> Bank fees</li> </ul> <b>Calculate:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Cost using tariff and /or formula</li> </ul> Draw & interpret graphs of various tariffs system			
WEEK 3	MEASUREMENT	<b>Conversions:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Metric system</li> <li><input type="checkbox"/> Conversion using factors/tables.</li> </ul> <b>Operations with numbers:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Multiplication and division by 10, 100, 1000 without a calculator.</li> </ul>			
WEEK 4		<b>Measuring &amp; estimating</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Length</li> <li><input type="checkbox"/> Distance</li> <li><input type="checkbox"/> Weight/mass</li> <li><input type="checkbox"/> Volume</li> <li><input type="checkbox"/> Temperature</li> <li><input type="checkbox"/> Time</li> <li><input type="checkbox"/> Calculate costs of products and services.</li> </ul>			

WEEK 5	MAPS, PLANS & OTHER REPRESENTATIONS	<p><b>Scale</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Use Scale in the form: 1:500 and bar scales to:</li> <li><input type="checkbox"/> Calculate actual distance and length from the given map/plan measurements.</li> </ul>			
WEEK 6		<p><b>Maps</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Describe the position of an object (e.g. building) in relation to surroundings.</li> <li><input type="checkbox"/> Describe the position of a building in relation to surrounding buildings</li> <li><input type="checkbox"/> Find location, follow &amp; develop directions</li> <li><input type="checkbox"/> Direction indicators (left, right, along, up, down, etc.)</li> <li><input type="checkbox"/> House building numbering</li> <li><input type="checkbox"/> Numbering systems used for sitting in sport stadiums</li> </ul>			
WEEK 7	PROBABILITY	<ul style="list-style-type: none"> <li><input type="checkbox"/> Expression of probability</li> <li><input type="checkbox"/> Events and outcomes/results</li> <li><input type="checkbox"/> Prediction, Relative frequency &amp; theoretical probability of an event</li> <li><input type="checkbox"/> Tree diagrams and</li> <li><input type="checkbox"/> Two-way tables</li> </ul>			

TERM 3	TOPIC	CONTENT AREA/TOPIC CONCEPT/SKILLS COVERED AS PER THE REVISED ATP	THE SKILL/ CONTENT TAUGHT	% OF LEARNERS WHO MASTERED	COMMENTS/REMARKS
WEEK 1 AND 2	FINANCE	<b>Income, expenditure, profit/loss, income-and-expenditure statements and budgets:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Perform calculations involving all of the above.</li> <li><input type="checkbox"/> Identify fixed, variable and occasional income and expenditure values from financial documents.</li> <li><input type="checkbox"/> Analyse and prepare income – and – expenditure statements and budgets.</li> </ul>			
WEEK 3		<b>Interest</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Distinguish between interest rate and interest</li> <li><input type="checkbox"/> Calculate interest and interest rate</li> </ul> <b>Taxation</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Determine VAT in the context of shop purchases, till slips and bills.</li> <li><input type="checkbox"/> Calculate VAT inclusive/exclusive prices.</li> </ul>			
WEEK 4 AND 5	MEASUREMENT	<b>Calculate:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Perimeter</li> <li><input type="checkbox"/> Area</li> <li><input type="checkbox"/> Volume of rectangles, triangles and circles (quarter, semi and three-quarters)</li> <li><input type="checkbox"/> using formulae</li> <li><input type="checkbox"/> cost of products</li> </ul> <input type="checkbox"/> Solve problems and complete tasks/projects.			

<b>WEEK 6 TO 8</b>	<b>MAPS, PLANS &amp; OTHER REPRESENTATIONS</b>	<p><b>Plans</b></p> <p><b>Floor plans and design:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Understand the symbol &amp; notation used on plans.</li> <li><input type="checkbox"/> Describe what is being represented</li> <li><input type="checkbox"/> Analyse layout of shown in plan &amp; suggest alternative layout option</li> <li><input type="checkbox"/> Determine actual length on plans using measurements and given scale</li> <li><input type="checkbox"/> Determine quantity of material needed by using the plans perimeter, area and volume calculations</li> <li><input type="checkbox"/> Draw 2D floor plans for familiar structures.</li> </ul> <p><b>Assembly diagrams</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Assembly diagrams</li> </ul> <p><b>Models</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Packaging of cans and/or boxes for optimal use of space</li> <li><input type="checkbox"/> Determine the most cost-effective way of packaging a number of cans and/or boxes</li> </ul>			
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TERM 4	TOPIC	CONTENT AREA/TOPIC CONCEPT/SKILLS COVERED AS PER THE REVISED ATP	THE SKILL/ CONTENT TAUGHT	% OF LEARNERS WHO MASTERED	COMMENTS/REMARKS
<b>WEEK 1 AND 2</b>	<b>FINANCE</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Banking, loans &amp; investments.</li> <li><input type="checkbox"/> Understand terminology in the banking documents</li> <li><input type="checkbox"/> Determine bank charges for different bank account types.</li> <li><input type="checkbox"/> Draw graphs from given bank charges.</li> </ul>			

<b>WEEK 3</b>	<b>DATA HANDLING</b>	DATA(Revise): Summarising data <input type="checkbox"/> Mean <input type="checkbox"/> Median <input type="checkbox"/> Mode <input type="checkbox"/> Range <input type="checkbox"/> Analyse data represented by the above			
<b>WEEK 4</b>	<b>DATA HANDLING</b>	DATA: Representing data <input type="checkbox"/> Pie chart <input type="checkbox"/> Histogram <input type="checkbox"/> Single bar graph <input type="checkbox"/> Line and broken line graph			
<b>WEEK 5</b>	<b>DATA HANDLING</b>	DATA <input type="checkbox"/> Analyse data represented by the graphs done in previous week			

TEACHER/S:	NAME	SIGNATURE	NAME	SIGNATURE	DEPARTMENTAL HEAD:	NAME	SIGNATURE
DATE:							

SCHOOL STAMP