

	5			c) calculate area of squares and rectangles as a product of number of rows and columns,				Observati					
4	1	MEASUREMENT		c) calculate area of squares and rectangles as a product of number of rows and columns,				on					
	2												
	3												
	4												
	5												
5	1			d) use IT devices for learning and enjoyment, e) appreciate use of rows and columns in calculating area of squares and rectangles in real life situations.									
	2		Mass	By the end of the sub strand, the learner should be able to: Use a kilogram mass to measure masses of different objects practically	How can you measure mass in kg?	<ul style="list-style-type: none"> Learners in pairs/groups to compare area of two surfaces directly by placing one surface on the other. Learners in pairs/groups to use different unit square cut outs to cover a given surface. Learners in pairs/groups to count the number of unit square cut outs used to cover the surface. Learners in pairs /groups to establish that area of a rectangle or a square is same as number of rows multiplied by number of columns. Learners in pairs/groups to work out area of squares and rectangles by multiplying number of rows by number of columns. Learners in pairs/groups play digital games involving area of rectangles and squares. 	Square cut outs, paper cut outs	Oral Written Observati on					
	3												
	4												
	5								By the end of the sub strand, the learner should be able to: b) use ½ kg and ¼ kg masses to measure masses of different objects practically. c) add mass involving kilograms in real life situations.				
6	1												

	2			<p>By the end of the sub strand, the learner should be able to:</p> <p>d) subtract mass involving kilograms in real life situations, e) use IT devices for learning and enjoyment, f) appreciate measuring mass of different objects.</p>								
	3	MEASUREMENT	Volume	<p>By the end of the sub strand, the learner should be able to:</p> <p>a) work out volume of cubes and cuboids in real life situations,</p>	<p>How can you work out volume of cubes and cuboids?</p>	<ul style="list-style-type: none"> Learners in pairs/groups/individually to pile cubes. Learners in pairs/groups/individually to count the piles of cubes to determine the volume. 	Cubes cuboids	Oral Written Observation				
	4			<p>By the end of the sub strand, the learner should be able to:</p> <p>a) work out volume of cubes and cuboids in real life situations,</p>								
	5			<p>By the end of the sub strand, the learner should be able to:</p> <p>a) work out volume of cubes and cuboids in real life situations,</p>								
7	1			<p>By the end of the sub strand, the learner should be able to:</p> <p>Use IT devices for learning and enjoyment</p>					<ul style="list-style-type: none"> Learners in pairs/groups/individually to pile cubes. Learners in pairs/groups/individually to count the piles of cubes to determine the volume. 	Cubes cuboids	Oral Written Observation	
	2			<p>By the end of the sub strand, the learner should be able to:</p> <p>Appreciate the use of pilling method in working out volume in real life</p>								
	3			<p>By the end of the sub strand, the learner should be able to:</p> <p>Appreciate the use of pilling method in working out volume in real life</p>								<ul style="list-style-type: none"> Learners in pairs/groups to pile cuboids. Learners in pairs/groups/individually to count the piles of cuboids to determine the volume. Learners in pairs/groups /individuals to use IT devices to play games.

	4		Capacity	By the end of the sub strand, the learner should be able to:	How can you measure capacity in real life situations?	<ul style="list-style-type: none"> Learners in pairs/groups to measure capacity of containers using a 1 litre container in real life situations. Learners in pairs/groups/individually to make ½ litre and ¼ litre containers through filling and emptying using a 1 litre container. Learners in pairs/groups to use ½ litre and ¼ litre containers to measure capacity of other containers. 	1 Litres containers, water, sand, and soil	Oral Written Observation						
	5			a) measure capacity in litres in real life situations, b) measure capacity in ½ litres and ¼ litres in real life situations,										
8	1	MEASUREMENT		c) Add and subtract capacity involving litres in real life situations, d) use IT devices for learning and enjoyment,										
	2													
	3													
	4		e) appreciate use of the litre as a unit of measuring capacity in real life situations.			<ul style="list-style-type: none"> Learners in pairs/groups to add capacity involving litres in real life situations. Learners in pairs/groups to subtract capacity involving litres in real life situations. Learner in pairs/groups to play digital games involving capacity. 								
	5		Time	By the end of the sub strand, the learner should be able to:	<ol style="list-style-type: none"> How can you tell time? How can you find out time taken to do an activity? 	<ul style="list-style-type: none"> Learners in pairs/groups to read and tell time in a.m. and p.m. using digital and analogue clocks in real life situations. Learners in pairs/groups to estimate time of the day using the shadow. 	Analogue and digital clocks, digital watches, am/pm chart	Oral Written Observation Oral Written Observation						
9	1			a) read and tell time in a.m. and p.m. in real life situations, b) estimate time using a.m and p.m. in real life situations,										
	2													
	3			c) convert units of time in real life situations, d) record time durations in hours and minutes in real life							<ul style="list-style-type: none"> Learners in pairs/groups to convert hours to minutes and minutes to hours in real life situations. Learners in pairs/groups to convert hours to days and days to hours in real life situations. 			
	4													
	5		e) work out time duration in real life situations,	<ol style="list-style-type: none"> How can you tell time? How can you find out time taken to do an activity? 	<ul style="list-style-type: none"> Learners in pairs/groups to convert days to weeks and weeks to days in real life situations. Learners in pairs/groups to measure and record duration of events in hours and minutes using digital and analogue clocks. 									
10	1													
	2													
	3		f) use IT devices for learning and enjoyment, g) appreciate time in real life situations.			<ul style="list-style-type: none"> Learners in pairs/groups to work out subtraction involving units of time in real life situations. Learners in pairs/groups/individually to play digital games involving time. 								
	4													
	5		Money	By the end of the sub strand, the learner should be able to:	How can you save money?		Real/imitation money, price list	Oral Written Observation						
11	1			a) convert shillings into cents and cents into shillings in different contexts, b) participate in shopping activities involving money practically,										
	2													
	3			c) determine needs and wants in real life situations, d) practice savings in real life,										

12	4		Position and Direction	e) work out questions involving money in real life situations, f) identify money people pay to the county government for provision of services,	How can you change your position?	<ul style="list-style-type: none"> Learners in pairs/group to role play shopping activities involving giving change and balance using real/ imitation money. Learners in pairs/groups to discuss and prioritize needs and wants. Learners in pairs/groups to discuss meaning of saving. Learners in pairs/groups to discuss savings at home. Learners in pairs/groups to discuss how to work out questions involving money in real life situations. Learners in pairs/groups to discuss market fee, cess, parking fee and business permit as money people pay to county government for provision of services. Learners in pairs/groups/ individually to play digital games involving money. 	Clock face	Oral Written Observation
	5							
	1							
	2							
	3	GEOMETRY		By the end of the sub strand, the learner should be able to: a) demonstrate a clockwise and an anti-clockwise turn in the environment,				
13	4		Angles	b) Demonstrate a quarter turn, half turn and full turn in the environment.	Where can you find angles in the environment?	<ul style="list-style-type: none"> Learners in groups/pairs/individually to demonstrate a half turn. Learners in groups/pairs/individually to demonstrate a full turn. Learners in groups/pairs/individually to play digital games involving position and direction. 	Representation of different angles	Oral Written Observation
	5			c) identify quarter, half and full turns in the environment,				
	1			d) use IT devices for learning and enjoyment, e) appreciate use of position and direction in real life situations.				
	2			By the end of the sub strand, the learner should be able to: <ul style="list-style-type: none"> identify angles in the environment, identify different types of angles in the environment, 				
	3			<ul style="list-style-type: none"> compare angles practically, 				
14	4		END TERM ASSESMENT/CLOSING	<ul style="list-style-type: none"> use IT devices for learning and enjoyment, appreciate use of angles in real life situations. 				
	5							
	1							
	2							
	3							