

Scheme of Work



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Course title: Maths KUWTC	Accreditation opportunities (Including Functional Skills)
Course code:	
Tutor:	Length, start and end date: 5 weeks (2hr sessions)
Course aim(s): <ol style="list-style-type: none"> 1. Understand how schools assess maths 2. Support children with their home and school work 3. Use and apply addition from Reception to Yr6 4. Use and apply subtraction from Reception to Yr6 5. Use and apply multiplication from Reception to Yr6 6. Use and apply division from Reception to Yr6 7. Use and apply percentages, fractions and decimals 8. Play a range of engaging games with children to promote a love of learning 	
Progression opportunities: Maths Level 1 / 2	

No	Differentiated learning outcomes							What have you planned for Initial Assessment and does it include functional skills?
	Basic	>	>	>	>	>	Advanced	
	Outcome A	Outcome B			Outcome C			
1	Recall and apply 1 activity to use with each piece of maths equipment	Recall 2 activities to use with each piece of maths equipment			Recall and describe all activities to use with each piece of maths equipment			Self – assessment sheet – confidence level.
2	Recall and apply addition methods up to year 2 level	Recall and apply addition methods up to year 4 level			Recall and apply addition methods up to year 6 level			

3	Recall and apply subtraction methods up to year 2 level	Recall and apply subtraction methods up to year 4 level	Recall and apply subtraction methods up to year 6 level	What were the results of your Initial Assessment? How will you apply this to meet the needs of specific learners?
4	Recall and apply multiplication methods up to year 2 level	Recall and apply multiplication methods up to year 4 level	Recall and apply multiplication methods up to year 6 level	
5	Recall and apply division methods up to year 2 level	Recall and apply division methods up to year 4 level	Recall and apply division methods up to year 6 level	
6	Find fractions of shapes	Find fractions of numbers and convert to smallest fraction equivalent	Convert improper fractions to whole numbers and percentages	
7	Find the percentage of a number using a calculator	Convert percentages to decimals and fractions	Calculate 100% when given the value of a number as a percentage	
Outcomes for children (if family learning)				

Date	Learning outcomes number	Assessment / learning checks	Notes - including teaching methods / learner activities and resources, opportunities for functional Skills development
	1	Group input Tutor led Agreement written as a group, input from all learners – photographed and stored Written notes on post-its Tutor led Tutor led Discussion Paperwork completed Learner feedback / discussion	GAMES Introduction Housekeeping Group Agreement Why are we here? Course overview Today's session Maths curriculum Paperwork Everyday Maths School equipment: Base Ten Numicon Beads Straws Maths Games Dice and Cards Learning Diaries
	2	Tutor led Written agreement (to be photographed / stored). Tutor observation of learners completing tasks Numberlines completed correctly Written work observed Diaries completed	Course Overview Session Overview Group Agreement Reception Numberlines Partitioning Partitioned column method Expanded column method Column method – no carrying Column method – with carrying Column method using decimals Learning Diaries

Good practice check

Have you planned:

- Assessment/checking with learners of Functional Skills English, Maths, IT appropriate
- Differentiation
- Embedded FS learning opportunities?
- Methods/format for regular recording progress and achievement with learners?
- Timely reviews and recording of learning and progress
- Embedded equality and diversity?
- Enhancement of learning by using digital technologies?
- Attention to health and safety?
- Ensuring learners feel safe and able to raise issues and concerns
- Timely and sufficient opportunities to raise aspiration and reflection progression opportunities?

3	<p>Tutor led Written agreement (to be photographed / stored). Discussion Tutor observation of learners Tutor observation Written work Diaries completed</p>	<p>Course Overview Session Overview Group Agreement Subtraction methods Practical Methods Numberlines Finding the Difference Partitioning using Numberlines Partitioned Column Subtraction Bridging Ten Exchanging 10, 100s, 1000s with Partitioned Column Method Compact Column Method Compact Column with Decimals Learning Diaries</p>
4	<p>Tutor led Written agreement (to be photographed / stored). Group discussion, tutor observation of learners demonstrating learning Tutor observation of learners completing tasks Written work using numberlines Group discussion / feedback Learner feedback / suggestions Written work / feedback Written calculations Diaries completed</p>	<p>Course Overview Session Overview Group Agreement Tables tricks Practical / Pictorial Multiplication Repeated Addition 1 and 2-Step Word Problems Arrays Partitioning – Grid Method Grid Method, 2 and 3-digits Expanded Column Method Column Method Short & Long Multiplication & Decimals Learning Diaries</p>

5	<p>Tutor led Tutor led Written agreement (to be photographed / stored). Tutor led – learners complete tasks: tutor observation Written work - numberlines Written work Written calculations Diaries completed</p>	<p>Course Overview Session Overview Group Agreement Sharing & Groups Numberlines Numberlines with remainders Short Division using Partitioning Short Division with Carrying Short Division with Remainders Short Division with Decimals Long Division (Chunking) Bus-stop Long Division using Chunking Learning Diaries</p>
6	<p>Tutor led Written agreement (to be photographed / stored). Learner feedback Learner feedback – group discussion Learner feedback Tutor led Discussion Written work Written sheet work Group discussion – learner feedback Tutor led Learner feedback – written work Diaries completed</p>	<p>Course Overview Session Overview Group Agreement Fractions, decimals and percentages Fractions in KS1: Shape Fractions in KS1: Objects Yr2 & 3 Denominator and Numerator Equivalent Fractions Improper Fractions Fraction Problems Smarties Challenge Websites Percentages as fractions Learning Diaries</p>
7	<p>Tutor led Written agreement (to be photographed / stored). Tutor observation of learners – feedback to group questions – check answers Answers given to group question Worksheet</p>	<p>Course Overview Session Overview Group Agreement Percentages of numbers Percentage shortcuts Sale Items – Percentage Reductions Fractions to percentages Percentage of a number</p>

	Written answers Written answers and verbal feedback Written answers to Qs on board Answers shared as a group – verbal feedback and written answers Written work & verbal feedback Diaries completed	Percentage of Amount Percentage as an Amount Decimals Percentages to decimals Place Value – word numbers Learning Diaries
<p>How will you know the course aims and LOs have been achieved?</p> <p>End of course diaries / evaluation of written work as a whole for each learner.</p>		
<p>Tutor reflection / Notes for future delivery</p>		