



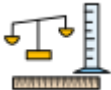

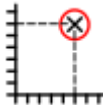

Donnington Wood CE Junior School 	Our School Vision Our school is a community where each person is valued as a child of God. We are a Church of England school, inspired and guided by the life and teaching of Jesus. We work together to create a caring, friendly and safe school family, to enable the whole school community to flourish and each person reach their full God-given potential.	Our core values friendship hope perseverance
Our Motto <i>"The ones who plant and the ones who water work together as a team with the same purpose."</i> 1 Corinthians 3:8 We believe that with God's help when we all work as a TEAM - Together Everyone Achieves More.		

Progression of knowledge in Maths

Adapted from the NCETM

Key Concepts/Golden threads

Subject concepts act as coat-hangers to hook information onto and **'Golden threads'** that run throughout the curriculum. This allows the pupils to store this knowledge into the long term memory and to remember for longer. Developed on research by Jan Meyer and Ray Land (2003), the use of concepts in our curriculum are used to capture the most important essence (knowledge) of the subject. The same concepts are explored in every year group and students will gradually increase their understanding of them.

Number and place value	Four operations	Fractions, decimals and percentages	Measurement	Properties of shape	Position and direction	Statistics	Algebra	Ratio and proportion
H T U 3 5 4	$+$ \div \times $-$	$\frac{1}{2}$ 					$a^2+b^2=c^2$	4:3

KEY CONCEPT: STATISTICS

Strands	Y1	Y2	Y3	Y4	Y5	Y6
Interpreting, constructing and representing data		I can interpret and construct simple pictograms, tally charts, block diagrams and simple tables.	I can interpret and present data using bar charts.	I can interpret and present discrete and continuous data using appropriate graphical methods.	I can complete, read and interpret information in tables.	I can interpret and construct pie charts and use these to solve problems.
		I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.	I can interpret and present data using pictograms.	I can interpret and present data using bar charts.	I can complete, read and interpret information in timetables.	I can interpret and construct line graphs and use these to solve problems.
		I can ask and answer questions about totalling and comparing categorical data.	I can interpret and present data using tables.	I can interpret and present data using time graphs.		
Solving problems			I can solve one and two-step questions using information presented in scaled bar charts and pictograms and tables.	I can solve comparison, sum and difference problems using information in bar charts, pictograms, tables.	I can solve comparison, sum and difference problems using information presented in a line graph.	I can calculate and interpret the mean as an average.