Framework for Assessment without Levels in Mathematics

Assessment without levels aims to enhance a student's understanding of what they can do and what they need to do to progress. Students who are doing better in a subject will be those who are working in ways described in the boxes at the top of the grey section of the grid.

Knowledge and understanding	Skills of the subject	Using the language of the subject	Use of numbers and data in the subject	
Apply complex formula to solve 3-dimensional problems	Interpret, compare and explain data that has been displayed in a variety of formats	Make deductions, inferences and draw conclusions from mathematical discussion	Use subject knowledge to prove and disprove mathematical concepts.	
Explain geometrical problems to complete questions on 2D & 3D shape and space	Display data in a variety of formats	Use mathematical language with precision	Manipulate algebraic and number problems and hence solve problems	
Solve geometric problems, including bearings, loci etc.	Use data to calculate probability and averages from a table	Interpret and communicate information accurately	Use problem solving skills to extract key information required to solve the question	
Know how to apply the four operations (+ - x and ÷) and their inverse successfully	Know how to apply the four operations and their inverse successfully	Use subject specific language in discussion	Know how to apply the four operations and their inverse successfully	
Understand the names and properties of 2D shapes	To have an understanding of the four operations (+ - x and ÷)	Extract main points when listening	To have an understanding of the four operations (+ - x and ÷)