



Numeracy Across The Curriculum - Policy



Definition

Numeracy is the application of calculation, measurement, data analysis and logical reasoning skills when problem solving.

Being numerate is using these skills to make logical decisions in everyday life.

Rationale:

Numeracy skills are essential for everyday life and understanding of our world. It is essential to science, technology and engineering, and the advances in these fields on which our economic future depends. Therefore, it is important that students learn to be creative in solving problems, as well as being confident and fluent in developing and using the numeracy skills so valued by the world of industry and higher education. This should be a right for all, not a privilege for some.

Intentions:

Byrchall High School is committed to raising the standards of numeracy for all; we want our students to be confident and capable in using numeracy to support their learning in all areas of the curriculum and to acquire the skills necessary to help achieve success in further education, employment and adult life.

Our aim is that all of our students should:

- Have a sense of the size of a number and where it fits into the number system.
- Be able to use strategies successfully to solve number related problems mentally.
- Apply an appropriate method to help solve a problem, e.g. mental, oral and written methods.
- Make sense of number problems and identify and use the required operations to solve them.
- Restrict their reliance on using a calculator and use them only when it is appropriate to do so.
- Develop their skills in estimation and approximation and have strategies for checking the reasonableness of their answers.
- Be able to explain their methods and reasoning using consistent language and mathematical terminology.
- Be able to make and use sensible estimates of a range of measures in everyday situations.
- Be able to interpret, explain and make predictions from information given in graphs, charts and tables.
- Improve their general problem solving skills.
- Have a confidence and competence in using and applying mathematics, recognising that skills are transferable across different subject areas and in a variety of contexts.
- Have the ability to use the correct mathematical language, but at the same time be less dependent on simple words (for example, use the word 'multiply' instead of the word 'times').

Numeracy - A Right For ALL

