

## NUMERACY POLICY

### A. Definition of Numeracy:

The ability to use, with confidence, numbers to solve problems found in a variety of familiar and unfamiliar situations. Being numerate is about possessing the knowledge, skills and the understanding to use and apply number confidently.

### B. The purpose of this Policy is:

- to raise the standards of numeracy by supporting students through common understanding and expectation.
- to make all staff aware of their responsibilities and contributions to students' numeracy.
- to familiarise all staff with numeracy strategies used to enhance students' skills.
- to raise the profile of Mathematics taught in other curricular areas.
  - to support and encourage students in the use of Mathematics and develop their confidence in the use of number
  - to enable students to apply their Mathematical knowledge and skills to other areas of the Curriculum
  - to encourage staff to adopt strategies which will enable students to apply and develop numeracy skills in their curricular areas.

Through the assessment of student numeracy, we will become aware of, and deal with, problems of numeracy throughout the college and thereby facilitate and demonstrate progress in numeracy at different Key Stages.

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- (i) At Haven High Technology College we believe that KS3 students should aim to reach National Curriculum level 4 with 60% achieving level 5+. Students' progress is monitored throughout both Key Stages and remedial action is taken accordingly.
  - (ii) Levels of numeracy for Year 7 students will be assessed on entry using a combination of KS2 National Curriculum test results and CATs tests. Initial assessment will be used to inform decisions on placing students in the appropriate groups
  - (iii) Support given to those who need to improve their numeracy skills will be a combination of:
    - use of Springboard in year 7 for students at Level 3
    - worksheets to supplement the core textbook.
    - use of available ICT software in students' own time (e.g Bounceback and Microsmile programs) and Internet based resources eg [www.Mymaths.co.uk](http://www.Mymaths.co.uk)
    - help from Dept Teaching Assistant and SEN dept in accordance with college policy and this will include withdrawal for small group or one to one work for children with specific learning difficulties on the SEN register.

- (iv) The Head of Numeracy will provide support and guidance to staff, students and their parents on strategies and methods to enable students' standard of numeracy to be raised.
- (v) The Mathematics Department is responsible for delivering all aspects of the National Curriculum for Mathematics. Aspects of mathematics taught in other subjects should be audited and support from the Head of Numeracy will be available to subject leaders in identifying the levels of attainment for subject specific mathematical content. Statements of Exemplar Numeracy Levels will be made available to subject leaders to assist this process.
- (vi) All subjects will be responsible for identifying aspects of their scheme of work which contribute to raising students' standard of numeracy and highlighting these aspects in the teaching of their learning objectives. Subjects will be supported in this by the Head of numeracy. It is recognised that not all subjects will include numeracy in each topic taught.

All subjects are encouraged to use the Maths Basic Skills booklet as a resource for methodology at both Key Stages.

The correct use of mathematical language and spelling will be encouraged and reinforced at all times and students will be asked to learn Mathematical key words and their correct spellings

- (vii) In order to raise standards, the aspects of numeracy in departmental Schemes of Work throughout the Curriculum need to be at or above the expected mathematical levels for students of that age group i.e. KS3 - level 3 – 6, KS4 - level 4 - 8

Access to differentiated materials may be needed for students working out of Key Stage.

All students should be encouraged to use mental methods as a first resort when a calculation is needed.