

**The Intent of the Functional Skills Maths Curriculum**

The intent of the Functional Skills Maths curriculum is to support and develop students' critical thinking skills, particularly problem solving. Development in these skills enable students to apply mathematical knowledge to life, learning and work situations. Students will improve their ability to understand practical problems; identify and obtain necessary information from written scenarios in order to tackle mathematical problems; be able to identify which maths principles are required to find solutions to practical problems and to use maths reasoning to draw conclusions and provide explanations.

**The Implementation of the Functional Skills Maths curriculum**

*Syllabus: Functional Skills Maths Level 1 & 2 specification codes 8361 and 8362*

*Students will have 5 x 1 hour lessons over the two week timetable*

Term	Y9	Y10	Y11
Autumn term	Number: The number line; simple calculations; order of operations; fractions and decimals.	RECAP - Number: The number line; simple calculations; order of operations; fractions and decimals.	Number: Positive and negative numbers; expressions and formulae; direct and inverse proportion; order or operations; rounding and estimating.  Measures, Shape and Space: conversions of money, length, weight and capacity.
Spring term	Number: Percentages; ratios; formulas in words.  Measures, Shape and Space: money; length; weight; capacity; time; length and perimeter; area and volume.	RECAP - Number: Percentages; ratios; formulas in words.  RECAP - Measures, Shape and Space: Money; length; weight; capacity; time; length and perimeter; area and volume; 2D & 3D shapes; nets, plans and elevations; angles and	Measures, Shape and Space: Area; volume; 3D shapes; scale and co-ordinates.  Handling Data: Median and mode; mean and range; averages and range; grouped frequency tables.

		bearings; maps and map scales.	
Summer term	Measures, Shape and Space: 2D shapes; nets, plans and elevations; angles and bearings; maps and map scales.	<p>Handling Data: Tables; charts and graphs; pie charts; drawing charts, graphs and pie charts; grouped data; mean and range; probability.</p> <p><b>Exam</b></p> <p>Number: rounding and estimating; percentage change; direct proportion.</p> <p>Measures, Shapes and Space: 2D and 3D shapes, angles.</p>	<p>Handling Data: Probability and scatter diagrams.</p> <p><b>Exam</b></p>

### **The Impact of the Functional Skills Maths curriculum**

The Functional Skills Maths curriculum will be assessed by external examinations for Level 1, in year 10, and Level 2, in year 11. The examinations for both levels require two examinations to be completed: one short non-calculator paper and one (longer) calculator paper. Students' progress will be informally monitored in class through verbal and written responses to questioning as well as through mock exam paper performance.

#### **Ways In Which Parents Can Help**

- Encourage the use of Hegarty and Seneca Learning to support maths revision at home.
- Involve students in domestic chores involving the use of mathematical principles e.g. cooking, home decor.
- Support access, completion and self-assessment of past papers found on the AQA website for each specification.