

GCSE Foundation Maths at UTC South Durham

To develop academically successful mathematicians who use their knowledge in professional situations through application of core skills.

Through the lens of the Student Leaver Profile:

Maths at UTC South Durham supports students to become career and life ready by participating in activities designed around the development of core skills and those which link the curriculum to industrial applications.

Students will have the opportunity to persevere with challenging content which explores both the pure and applied elements of mathematics.



Useful links:

Exam board/Specification:
GCSE Foundation Mathematics (8300)

Revision resources:
<https://www.dr frostmaths.com/>
CGP, GCSE Maths AQA Revision Guide: Foundation

Key dates: GCSE Exams, 3 Papers (1 Non-Calculator, 2-Calculator) Summer term, Year 11.

GCSE Maths (Foundation) – Learning Journey 2023-2025

Summer 2	
SLP Focus:	GCSE Examinations, Paper 1 – Non-Calculator Paper 2 – Calculator Paper 3 - Calculator

Summer 1	
SLP Focus: Reflect, Organise, Persevere	Revision

Spring 2	
SLP Focus: Reflect, Organise, Persevere	Congruent and similar shapes Constructions and loci Volume of pyramids, cones and spheres Simultaneous equations*

Spring 1	
SLP Focus: CST: Cup Stacking collaboration	Transformations Proportion Sequences* Non-linear graphs

CAREER
AND LIFE
READY

Welcome to Year 11	
SLP Focus:	

Autumn 1	
SLP Focus: CIT: Shell Oil Purchasing LT: Pythagoras CIT: Skate Park Design	Further algebra (expanding brackets, factorising, inequalities) Volume and surface area* Pythagoras and trigonometry

Autumn 2	
SLP Focus: CIT: Science writer	Statistical representations* Powers and standard form

Summer 2:	
SLP Focus:	Area of shapes*

Summer 1:	
SLP Focus: LT: Bearings	Angles Area of shapes*

Spring 2:	
SLP Focus: CIT: Strength of Concrete	Probability Straight line graphs*

Spring 1:	
SLP Focus: CST: Cycling Nutrition perseverance	Rounding and approximation Ratio and compound measures*

Welcome to Year 10	
SLP Focus:	You will complete in class baselining tests which will inform the foci for the first half terms teaching.

RAG:	Baselining test
Autumn 1:	
SLP Focus:	Foundations of number*

Autumn 2:	
SLP Focus: CIT: Freelance Filmmaker CST: Quality St. Task communication	Foundations of algebra (simplifying, solving equations) Percentages*

SLP Focus: CST: Core Skills Task CIT: Careers and Industry Task LT: Literacy Task
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* End of topic tests will
follow these units.

START