Trinity Academy Mathematics Department

Transition Work 2024 – Core Maths

Below are a range of Sparx codes from key topics that you will have seen in GCSE and will be helpful for Core Maths.

Each topic has three sections:

- **Introduce** questions allow you to practise the key concepts.
- **Strengthen** questions build on your knowledge of the key concepts.
- **Deepen** questions will challenge your understanding.

We expect you to be able to complete the equivalent to one section before your first lesson in year 12. Unless otherwise indicated, you may use a calculator.

Use the grid below to keep track of your progress in each topic. Tick the sections you have attempted.

We look forward to working with you!

Topic	Code	I	S	D
	U773 – Percentage change without a calculator			
	U554 – Finding percentages of amounts without a calculator			
	U286 – Finding original values in percentage calculations			
Probability	U408 – Writing probabilities as fractions			
	U246 – Conditional probabilities from tables			
	U981 – Interpreting frequency tables and two-way tables			
Proportion	U610 – Currency conversion			
	U357 – Solving inverse proportion word problems			
	U721 – Solving direct proportion word problems			
Averages and spread	U569 – Finding averages from frequency tables			
	U877 – Finding averages from grouped data			
	U717 – Choosing suitable averages and solving problems			
	U854 – Finding averages from diagrams			

Topic	Code	I	S	D
Estimation and accuracy	U225 – Estimating calculations			
	U299 – Estimating roots and powers			
	U587 – Finding bounds for calculations			
	U965 – Rounding decimals using significant figures			
	U731 – Rounding integers using significant figures			
Graphs and Charts	U741 – Plotting straight line graphs			
	U315 – Finding equations of straight line graphs			
	U172 – Interpreting pie charts			
	U520 – Comparing populations using diagrams			
	U854 – Finding averages from diagrams			
	U200 – Drawing stem-and-leaf diagrams			
	U909 – Interpreting stem-and-leaf diagrams			
Standard form	U161 – Standard form with a calculator			
	U264 – Multiplying and dividing numbers in standard form			
	U290 – Adding and subtracting numbers in standard form			
Percentages	U671 – Percentage change with a calculator			