

Ullapool High School

S4 Course Outline – National 5 Maths

May-June

- Surds
- Indices

August-October

- Standard form
- Expanding brackets
- Factorising
- Completing the square

Test on all topics covered so far

- Algebraic fractions
- Gradients
- Circles – arcs and sectors
- 3D Solids – volume and surface area

October-December

- Functions
- Solving equations 1- equations and inequations
- Solving equations 2 - Simultaneous linear equations
- Quadratic functions and graphs

Test on all topics covered so far

- Pythagoras' theorem
- Similarity
- Trigonometric functions

January-April

- Changing the subject of a formula
- Properties of shapes

Prelims

- Triangle trigonometry
- Vectors
- Percentages
- Fractions
- Statistics
- Revision

We use the TJ National 5 textbook supplemented by other resources. Free support for learning at home can be found at <https://www.national5maths.co.uk/>