

Ullapool High School

Higher Maths Course Outline

Term 1: May – July

1. The straight line
2. Quadratic functions and graphs

Block 1 test on topics 1-2

Term 2: August-October

3. The circle
4. Functions

Block 2 test on topics 1-4

5. Graphs of related functions
6. Recurrence relations
7. Polynomials
8. Trigonometric functions

Term 3: October-December

9. Addition formulae
10. The wave function
11. Calculus 1 - Differentiation
12. Calculus 2 – Integration

Block 3 test on topics 1-12

13. Calculus 3 – Further calculus
14. Vectors

Term 4: January-April

Prelims

15. Logarithmic and Exponential functions

Course revision

Term 4: April-study leave

Course revision

We use the Zeta Maths Higher textbook. Excellent free resources to supplement this learning at home can be found at <https://www.highermathematics.co.uk/>