

## A level Further Maths Induction Work Summer 2022

For Further Maths we would like you to complete **two additional sections**, including the Assessment, as well as those included in the Maths Transition work. These sections are **Integers** and **Coordinate Geometry**. We suggest that you may wish to work through the remaining sections or the Going Deeper materials as an optional extra. Please see the Maths transition work for details of the Integral website and login details.

**Please note there is no separate induction test for Further Maths but we expect at least 80% in the Maths induction test for Further Maths students.**

### Integers

#### Geometry

#### Surds and indices

### Coordinate geometry

#### Algebraic manipulation






#### Trigonometry

#### Completing the square

## Integers

### From GCSE to A level

This topic contains 5 chapters. When you have completed each chapter, tick the box on the right of the page, and the next chapter will appear.

-  [Integers 1: Why study integers](#)
-  [Integers 2: Odd and even](#)  
Restricted Not available to students unless: The activity [Integers 1: Why study integers](#) is marked complete (hidden otherwise)
-  [Integers 3: Proof](#)  
Restricted Not available to students unless: The activity [Integers 2: Odd and even](#) is marked complete (hidden otherwise)
-  [Integers 4: Divisibility and remainders](#)  
Restricted Not available to students unless: The activity [Integers 3: Proof](#) is marked complete (hidden otherwise)
-  [Integers 5: Prime numbers](#)  
Restricted Not available to students unless: The activity [Integers 4: Divisibility and remainders](#) is marked complete (hidden otherwise)

### Assessment




You only get one attempt at the assessment, so make sure you've covered all the material above before you start it.

- [Integers assessment](#) 

## Coordinate geometry

### From GCSE to A level

This topic contains 3 chapters. When you have completed each chapter, tick the box on the right of the page, and the next chapter will appear.

-  [Coordinate geometry 1: Points and lines](#)
-  [Coordinate geometry 2: Coordinate geometry of shapes](#)  
Restricted Not available to students unless: The activity [Coordinate geometry 1: Points and lines](#) is marked complete (hidden otherwise)
-  [Coordinate geometry 3: Equations of lines and circles](#)  
Restricted Not available to students unless: The activity [Coordinate geometry 2: Coordinate geometry of shapes](#) is marked complete (hidden otherwise)

### Assessment

You only get one attempt at the assessment, so make sure you've covered all the material above before you start it.

- [Coordinate geometry assessment](#) 