

# Mathematics Higher

## REVISION LIST – YEAR 11 MOCK EXAMS



For your Year 11 mock exams, you will be completing the following exams in our subject:

To s

| Paper                    | Time            | Marks Available |
|--------------------------|-----------------|-----------------|
| Paper 1 – Non Calculator | 1 hr 30 minutes | 80              |
| Paper 2 – Calculator     | 1 hr 30 minutes | 80              |
| Pape 3 - Calculator      | 1 hr 30 minutes | 80              |

| Topic/ Theme | Started Revision |
|--------------|------------------|
|--------------|------------------|

|                                         |                       |                                    |
|-----------------------------------------|-----------------------|------------------------------------|
| Y11 Nov mock revision list Higher paper |                       |                                    |
| <b>Paper 1</b>                          | <b>Paper 2</b>        | <b>Paper 3</b>                     |
| Ratio                                   | area                  | percentage profit                  |
| histograms                              | compound measure      | exchange rates                     |
| HCF                                     | box plots             | speed distance time                |
| interior angles                         | probability           | vectors                            |
| Probability                             | mean average          | tangent to a circle                |
| Plotting graphs                         | similar shapes        | algebraic simultaneous equations   |
| gradient to a curve                     | Trigonometry inc 3d   | algebraic fractions                |
| standard form                           | equation of a circle  | venn diagrams                      |
| numerical proof                         | itteration            | bounds                             |
| probability                             | exponetial graphs     | error intervals                    |
| solve inequalities                      | ratio                 | volume of cylinder and cone        |
| rationalise the denomiator              | index laws            | change the subject                 |
| simplify expressions                    | region                | conditional probabiity             |
| functions                               | prime factor LCM      | co-ordinate geometry               |
| similar shapes                          | Density mass volume   | Frequency polygon                  |
| transformations                         | Algebraic fractions   | factorise                          |
| Reccurring decimals                     | tree diagrams         | circle theorems                    |
| proportion                              | expand binomials      | area of a non right angle triangle |
|                                         | linear graphs         | recognise graphs                   |
|                                         | quadratic             | reverse %                          |
|                                         | inequalitites         |                                    |
|                                         | sine and cosine rules | index laws                         |
|                                         |                       | standard form                      |
|                                         |                       | area of 2d shapes                  |