**Y12 A Level Mathematics Study Period Guide – Autumn Term 2022**

**Which topics will you be studying?**

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| **Pure Mathematics** | **Applied Mathematics** |
| * Problem solving
* Surds
* Quadratic functions
* Equations and inequalities
* Trigonometry
* Polynomials
* Graphs and transformations
* Binomial expansion
* Vectors
 | * Data collection
* Data processing, presentation and interpretation
* Kinematics
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**Which exam board?**

In Mathematics we follow the **OCR B** exam board. For a detailed look at the specification click the below link

<https://www.ocr.org.uk/qualifications/as-and-a-level/mathematics-b-mei-h630-h640-from-2017/>

**What useful revision activities should I be doing?**

* Practice questions of GCSE content (bridging pack provided)
* Use Integral for notes, walkthroughs, questions and worked solutions.
* Engage with old C1 past papers.
* Complete exercises in the text book where it has not been possible in lesson.
* Select problems for the given website below to practise problem solving skills

**Useful Resources:**

* [integralmaths.org](file:///D%3A%5CUsers%5CTCarpenter%5CDownloads%5Cintegralmaths.org)  – you will need your log-in details
* [youtube.com](http://www.youtube.com) – videos available on most mathematical processes.
* [undergroundmathematics.org](file:///D%3A%5CUsers%5CTCarpenter%5CDownloads%5Cundergroundmathematics.org) – A Level maths problems
* [desmos.com/calculator](https://www.desmos.com/calculator) – graphing calculator, good to have as an app
* [mei.org.uk/resources](https://mei.org.uk/resources) – includes old-spec past papers (search C1)