

## Year 12 Exam Week Preparation Template

Year Group:	12
Subject:	Maths

### Details of exam

Paper to be sat:	Pure and Statistics; Pure and Mechanics.
Topics to be covered in the exam:	<p><b>Paper 1:</b> Triangle geometry, rates of change, vectors, reduction to linear form, proof, tangents to curves, equations of proportion, transformation of graphs, set notation, differentiation problems, sampling, scatter graphs, probability and discrete probability distributions.</p> <p><b>Paper 2:</b> Circles, Integration, stationary points, gradient functions, trigonometric identities and equations, graphical inequalities, factor theorem, differentiation from 1<sup>st</sup> principles, modelling using equations, equations of lines, basic forces, connected particles, kinematics with constant acceleration and kinematics with variable acceleration.</p>

### Materials to support your revision

Link to Online Resources:	<a href="https://padlet.com/creid28/y5w1tietoz5y">https://padlet.com/creid28/y5w1tietoz5y</a> (password qehsmaths) <a href="https://www.physicsandmathstutor.com/maths-revision/">https://www.physicsandmathstutor.com/maths-revision/</a>
Link to exemplar questions or past papers to use:	Students will be given revision question.
Link to model answers or mark schemes:	
Recommended revision guides:	CGP A level Year 1 & AS Mathematics OCR [not MEI] <a href="https://www.cgpbooks.co.uk/Student/books_a_level_maths_ocr.book_MRAR52">https://www.cgpbooks.co.uk/Student/books_a_level_maths_ocr.book_MRAR52</a>
In house booklets:	Yr 12 booklets for pure, statistics and mechanics available from your maths teacher from before Easter. Text books.
For essay subjects and longer answer questions – suggested question titles for practice:	