How You Can Help Your Child Revise Effectively…

Year 12 Maths

For some of our students, formal exams have been something they have not completed regularly or at all. We are aware that all students have had significant disruption over the last two years. In order to support you to support them effectively at home, we would like to give you the following information:

The Topics your child will be tested on are:

*PURE*

* Differentiation – gradients, stationary points, minimising and maximising
* Integration – indefinite, finding an area
* Vectors
* Trigonometry – identities, solving equations, sine and cosine rules
* Binomial Expansion
* Quadratics and Polynomials – inequalities, disguised polynomials, sketching graphs,

the factor theorem

* Exponentials – understanding, solving equations
* Simultaneous Equations
* Co-ordinate Geometry – gradients, equations of tangents and normal, equation of a circle

*STATISTICS*

* Histograms
* Large Data Set
* Hypothesis Testing
* Probability Distributions

*MECHANICS*

* Equilibrium
* Forces – f=ma, resultant forces, diagrams, normal reaction force
* Kinematics
* Constant acceleration

Recommended revision sites/resources:

* Physics and Maths Tutor
* Maths Genie
* Dr Frost Maths
* MyMaths
* FROG – past exam papers

Hints and Tips:

* The best way to revise for Maths is to work on practice questions. The past papers will help
* Students should always ask their class teacher if they need support or guidance with any aspect of their revision. They can do this in person or by email.
* Students should ensure they have all Mathematical equipment for assessments including; calculator, ruler, protractor, pair of compasses.

All end of year exams will take place between Monday 6th June and Friday 17th June for Y7,8 and 9.