Subject Assessment Information 2021 – Maths

Qualification	GCSE
Subject	Mathematics- Higher Tier
Assessment length	45 minutes for each assessment

Topics and skills to be revised and assessed:

Number
Fractions, decimals & percentages (Revision Guide Page 7) Video 124 Video 128
Negative, square & cube numbers Video 212 Video 226
Percentage change (Revision Guide Page 58) Video 233
Percentages of amounts Video 235
Highest common factor & lowest common multiple (Revision Guide Page 12) Video 218 Video 219
Upper & lower bounds (Revision Guide Page 4) Video 377
Recurring decimals (Revision Guide Page 8) Video 96
Standard form (Revision Guide Page 13) Video 300
Functions (Revision Guide Page 53) Video 369 Video 370
Iteration (Revision Guide Page 51 & 52) Video 373
Surds including rationalising the denominator (Revision Guide Page 9) Video 305 Video 306 Video 307

Algebra
Expand & simplify linear expressions (Revision Guide Page 15) Video 13
Expand & factorise quadratics (Revision Guide Page 23, 24 & 25) Video 14 Video 118
Solve linear & quadratic equations (Revision Guide Page 16 & 26) Video 110 Video 266
Rearrange equations (Revision Guide Page 32) Video 7
Solve linear inequalities (Revision Guide Page 20) Video 178
Shading regions of inequalities (Revision Guide Page 21) Video 182
Algebraic fractions (Revision Guide Page 29, 20 & 31) Video 24
Parallel & perpendicular lines (Revision Guide Page 19) Video 196 Video 197
Quadratic graphs (Revision Guide Page 33 & 34) Video 264
Gradient & turning points of curves (Revision Guide Page 46 & 47)
Gradient of linear graphs (Revision Guide Page 17) Video 189 Video 190
Identities

Shape, space, measure & ratio
Density, mass & volume Video 384
Similar triangles (Revision Guide Page 73) Video 291 Video 292
Congruent shapes (Revision Guide Page 72) Video 66
Surface area (Revision Guide Page 76 & 77) Video 310

Volume (Revision Guide Page 76 & 77) Video 355
Area of 2D shapes (Revision Guide Page 66 & 67) Video 44 Video 45 Video 48 Video 49
Transformations (Revision Guide Page 70) Video 104 Video 272 Video 275 Video 326
Pythagoras (Revision Guide Page 82) Video 257
Angles in Polygons (Revision Guide Page 65 & 67) Video 32
Circle Theorems (Revision Guide Page 68 & 69) Video 64 Video 65
Vectors (Revision Guide Page 92 & 93) Video 353
Sine Rule (Revision Guide Page 89) Video 333 Video 334
Cosine Rule (Revision Guide Page 89) Video 335 Video 336
Area of non right-angled triangles (Revision Guide Page 90) Video 337
Area of circles (Revision Guide Page 91) Video 40 Video 46 Video 47
Converting units (Revision Guide Page 64) Video 348a Video 349a

Assessment format: All assessments are 45 minutes.

Assessment 1- Number
Assessment 2- Algebra
Assessment 3- Shape, space and measure

Your assessments will comprise a selection of past paper-style questions and will all be calculator assessments. Each assessment will have a maximum of 40 marks available.

Preparation & Revision Advice

The best way to prepare yourself for any maths assessment is through practice of the topic which is where we will focus our time in lessons prior to each assessment. In order for this to be most beneficial to everyone, we will expect you to have done some independent revision to refresh your memory on any topics you feel unsure on.

Here is the links for the padlets which have been designed with links to all the best resources available to you to aid your revision. Please be aware that these are designed to cover the whole specification, so make sure you are only revising the topics listed above. There are a variety of resources available, including formulae you need to learn, videos and worksheets on specific topics. There are also past papers available to you, please remember we are not covering the whole AQA specification. Both of these links are available on google classroom already:
Higher- https://padlet.com/phs_maths/PHSHigherMathsRevision

All students have access to drfrostmaths.com which is a very useful website where students can log in and watch videos, or practise questions on certain topics. Students should also make use of the PiXL Maths App which has all topics broken down into algebra, number etc. Students can also access their own progress and see where their own strengths and weaknesses are from their use of the app. Log in details for this are available on google classroom. A number of other very useful websites (freely available without a log in) are linked on the padlet.

In the list of topics there are references to appropriate pages from the revision guide (higher) purchased through school. If you have a different revision guide then you should be able to find the relevant topics in the contents page.

In the list of topics above you should also see a video link number too; this is a video from https://corbettmaths.com/contents/ which is a short video specifically on that topic should you wish to use this. These will be sent out via Google Classroom too but we will be using lesson time to practise the topics and we will expect you to have done some independent revision to clarify your understanding of a topic.