

Dear Parent

The aim of this document is to give an insight into the online resources available to aid students through the new Mathematics GCSE (9-1) syllabus. Students sitting their Mathematics GCSE from 2017 will have studied all the material covered by the AQA GCSE Mathematics (Higher) syllabus.

http://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300

BGS will continue to help students through the 2-year course with a high standard of teaching delivered by committed and professional staff. However, the new syllabus and the changes that have been made will require students to be ever more independent and resilient learners and to this end we have invested in a high quality digital resource that we hope will support students.

To understand what this resource has to offer it is of course best to login and look at it, but the following pages give some indication of what is available.

The digital book is accessed through the student's Kerboodle account. Several subjects utilise the Kerboodle platform and students may have access to several courses through it. Just like the paper copy of the textbook the digital version contains examples, questions and answers. It is an interactive text which has links to video examples (InvisiPen) that explain and illustrate the skills needed in each chapter. It also has direct links to the relevant areas of MyMaths. It is a 'one stop shop' for students who need further practice or explanation.

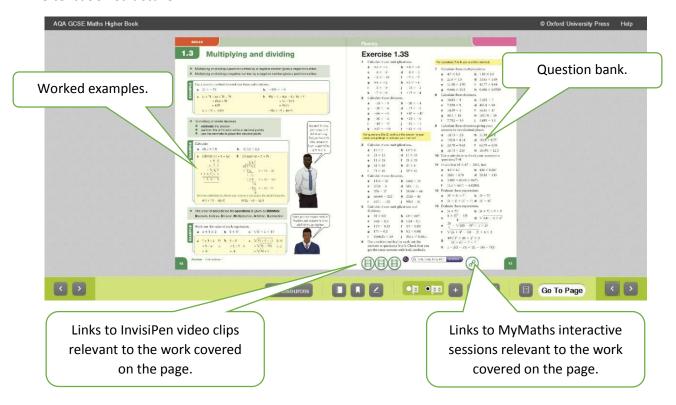


Every chapter is divided into several sections, with each section further split into *Fluency* i.e. practice of the core skills needed and *Reasoning & Problem Solving* which is more akin to the examination questions students will face in their external examinations.

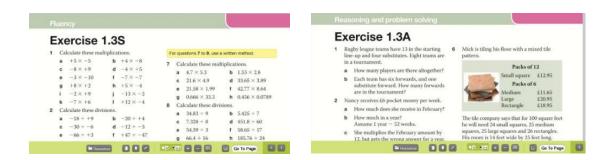
Teachers may set questions for homework from the **digital textbook** or from the **digital homework book**. They may also set the online skills test as either an **assessment** or simply for students to assess their own strengths and weaknesses in a particular topic. These online assessments are marked instantly, and give the student feedback on errors they may have made. The progress made through each chapter will be formally assessed by a teacher-marked test and constructive feedback will be given where appropriate.

To be successful on this course it is essential that the student develops a determined approach to problem solving. Of course this resource does not replace their notes or what they have been taught in class, but if they are unable to solve a problem instantly we very much hope they will use this resource with its wealth of examples and instructional videos to help them. However, if after using them they still find they are in need of help, their first port of call is of course their teacher or lunchtime support which is available every day in room M1.

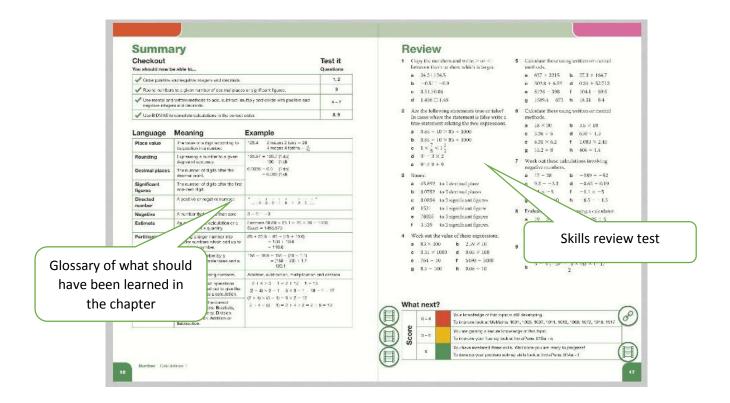
The textbook structure...



Question banks are in two sections (e.g. 13.S and 1.3A). The first practises the fluency and skills required by the topic. The second develops problem solving and mathematical reasoning.



At the end of each chapter is very useful Summary section of the key points for that topic. Also useful is the glossary of terms that the student should learn. On the adjacent page to the Summary is always a Review section designed to practise the skills associated with that Chapter. This is always a useful question bank for any student brushing up before an assessment.



Finally, the online assessment gives instant feedback..

