

# Mathematics

Revision Evening 2020

HEALING  
SCHOOL



A Science Academy

Welcome



# Basic Exam Information

- All pupils will be sitting the AQA GCSE exam.
- The Foundation papers will contain topics from grades 1 – 5.
- The Higher papers will contain topics from grades 1 – 9 but will focus on grades 5 – 9.
- All pupils will sit three 1.5 hour exam papers.
- One will be non-calculator and two will be calculator papers.

Pupils need a blue or black pen, pencil, ruler and scientific calculator.





# Revision Guidelines

- The important thing to recognise when revising maths is that it's a discipline that depends on understanding. Unlike some other subjects, memorising isn't going to do the job; instead, the best technique is to practise, practise, practise.

Just reading  
through your  
notes doesn't  
work.





# Revision Guidelines

- The best thing that you can do to prepare before the exam is to rehearse as many questions as possible and create revision resources from your learning.

You could try  
revision cards,  
mind maps or  
booklets.





# Revision Guidelines

- Exam papers are a good indicator of the level of maths required and the type of questions you may be asked. As you go through the questions, mark down the ones you get wrong and make sure you revisit them before the day of the exam. Set targets after every exam paper or assessment and use them to improve.

Try using Hegarty to revise the topics you get wrong.





# Revision Guidelines

- Through Year 11 pupils will complete multiple past papers. From these they should get lists of targets for improvement and questions that they get to try again.
- Remember, mistakes can often be the best way to learn.

Pupils should keep all of their papers in a blue folder at school to bring home closer to the exams.





# Pupils need to learn these:

These formulae are not provided in the exam:

- The quadratic formula
- Circumference and area of a circle
- Pythagoras's theorem
- Trigonometry formulae
- Perimeter
- Area
- Surface area
- Volume
- Compound interest
- Probability

These would  
make good  
revision cards.





# You need to learn how to use these:

The formulae listed below are provided in the exam but you will need to know how to use them.

- Surface area of a cone
- Volume of a sphere
- Volume of a cone
- Kinetics formulae

Most of the formulae needed can be found in the pupil planners.  
Be careful to check which tier you need.



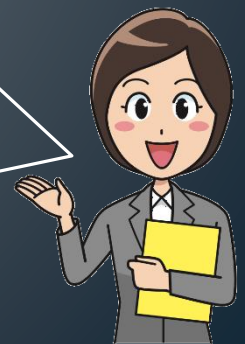




# Intervention and support available

- Pupils will have access to intervention through an email group which all of the maths teachers can access. They will be able to ask any questions they have and get a response from one of the members of staff.
- All pupils will also be invited to specific intervention sessions through the year.

Dates for the  
intervention  
sessions will be  
confirmed soon.





# Intervention and support available

- Pupils also have the facility to message their teachers for specific feedback or request extra work on Hegarty Maths which will be explained further on in the presentation.

Pupils can also directly message their teacher using the school Gmail.





# Revision Timetable

- Pupils need to start revising now and closer to the exams should have a revision timetable for the topics they want to cover in our subject.
- If they want help with this, they can ask their classroom teacher and they will help them find or create one.

A revision schedule will help to keep pupils on track.



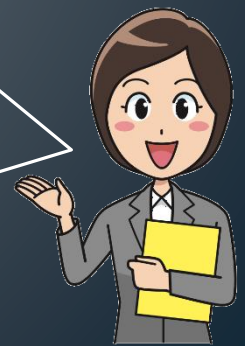


# MathsWatch



- MathsWatch contains thousands of long and short revision videos, interactive questions and worksheets for all GCSE topics.
- You can also see what work is being done on there.

To log on all pupils need is their school email address and their normal school IT password.

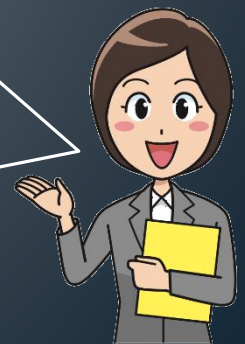




# MathsWatch Features

- You have access to video tutorials to explain topics as their teacher would
- Practise exam-style questions with instant feedback
- Complete assignments with instant feedback
- PDF worksheets
- Progress tracker

Pupils can use the OMM (One Minute Maths) videos for quick revision.





- Hegarty Maths is an outstanding VLE (Virtual Learning Environment) which has over 900 online teacher videos and linked tasks.
- Pupils need to know the name of our school, their name, their date of birth and their normal school password to log on.

In the top right corner you will find lots of help on how to use Hegarty.





# HegartyMaths – The whole curriculum

1. Over 900 maths topics are explained in 10 minute video tutorials. There is no need to feel stuck at home.
2. There is a task following on from each video.
3. Everything your child does is recorded and shared with their teacher. It helps us see their strengths and weaknesses.
4. HegartyMaths allows a parent to see everything their child needs to learn and support them too.
5. It remembers all of the pupils answers and can give them practice on their weaknesses so they can do impactful independent learning.



# Hegarty Homework

- Your child will be set approximately one Hegarty based homework a week by their teacher.
- Your child's teacher will choose the lesson they want them to learn and will pick it so that they are revising an important topic.

The work should take between 30 minutes and an hour.



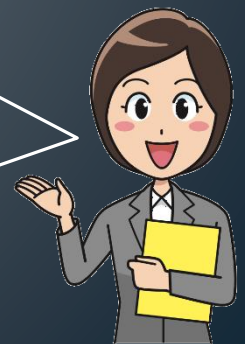




# Hegarty Homework

- For the homework, your child will always be expected to:
  - watch the video and take notes
  - write down your quiz workings neatly
  - mark their own work, make corrections and write down their score at the end

Homework plays a vital part in developing long term memory skills.





# Hegarty Additions:

- MemRi helps pupils revise things they have done previously. Pupils will get a mixture of questions based on prior learning and if they are stuck, they will also get linked videos to support them.
- Fix up 5 helps pupils revise things they have struggled with in the past by giving them 5 questions and again, linked support.
- MemRi and Fix up 5 are features designed to help pupils retain facts needed in their long term memory. The more pupils use these features in Year 11, the better their recall skills will be when it comes to the exams.

Elevate your  
revision!





# Parent Guides



Both Mathswatch and HegartyMaths have parent guides if you go to the 'help' section on your child's account.





# Need something extra...

- Apps like BBC Bitesize, Key Cards GCSE Maths Revision and Gojimo are very pupil friendly.
- CGP has a range of revision guides and question books you can buy. Some revision guides are available school via Parent Pay.
- Corbett Maths has a huge variety of questions, videos, sheets and other resources.

Pupils can ask their teacher if they would like some specific recommendations.

