

REMOTE LEARNING Q&A: MATHEMATICS

What should I expect my child to work on in maths and for how long?

We want to provide a routine for each year group so that when they sit down to do maths they know they need to carry out certain tasks in a certain order. Please scroll down for the visual summaries that show the activities that we expect children in each year group to do during the allocated time.

Generally year 10 will be expected to complete 5 questions from www.corbettmaths.com/5-a-day/gcse – each class will be allocated which set of 5 questions they are to do. This is followed by tasks set by the teacher.

Year 7, 8 and 9 should do the same as above but complete approximately 10 minutes practice on TimesTable Rockstars, which they have all been issued logins for via e-mail. They should practice on garage mode and record an attempt on studio mode when they feel they are ready to improve their "rock score."

What if my child forgets the password for Hegarty or Timestable Rockstars?

Hegartymaths is based on the school, child's name and date of birth. There is a password reset button that will contact the teacher in order to reset it.

All year 7 and 8 pupils were given their TTRockstars username and passwords this week via e-mail.

Please contact the relevant teacher below for the different year groups:

Year 7, 8 and 9- l.riggs@olcc.lancs.sch.uk

Year 10 and 12- g.mcmurtrie@olcc.lancs.sch.uk

How can I check that my child has completed what they should have done each day?

1. Ask year 7, 8 or 9 to login to TT Rockstars and show you their rock score on Timestable Rockstars.

Ask year 10 to show you their 5-a-day answers. These can be self-marked by going to www.corbettmaths.com/5-a-day/gcse and scrolling down for that month's answers.

2. Ask your son/daughter to login to Hegartymaths on their device and click "my scores" at the top right. This will show their most recent tasks with the date, time and score they achieved. For tasks that are due and have not been started, ask them to click "my tasks" at the top left.

3. If applicable ask your son/daughter to show you how much of their CGP workbook they have completed that day. Sign and date it each day on the pages they have completed.

What happens if my child gets stuck on their work?

1. 5-a-day booklet answers can be found at www.corbettmaths.com/5-a-day/gcse and scrolling to that month's answers.

2. Hegartymaths has a "get help button" when in the quiz, which takes them directly to the part of the video that will help them with that exact question.

3. Each Hegarty task has building blocks if you scroll down – these are the videos and quizzes for the skills that students need to complete BEFORE they try the quiz they are. This closes any knowledge gaps.

4. Students can contact teachers on Hegartymaths via the messaging service.

5. You can contact teachers on the email addresses listed above

Can my child write in the CGP workbook you have provided?

Yes, it is theirs to keep.

What order should they complete the workbook in?

We recommend working from page 1. We also recommend that parents sign and date where the student gets up to each time they attempt it so you can monitor effort.

I want my child to be stretched, challenged and do extra. What else can they be doing?

1. Students can log in to Hegarty maths and click "revise" at the top of the screen.

2. **Fix Up 5** mode will find 5 questions that they have answered incorrectly in the past and ask them to answer it again to improve.

3. **MemRi** will set them 10 questions that they have got correct in the past and ask them to see if they can remember how to answer them now.

4. **Beat the nation** is a way to spice up revision and get your child thinking harder. The SATs quizzes may be useful if you are in Years 7 and 8 and GCSE Quizzes for Year 9, 10 and 11.

The challenge is to see:

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- Can you get each question right?
- Which do you think is the worst answered question?
- What do you think is the most popular choice of wrong answer for each question?
- Can you explain why other students might choose these wrong answers?
- How would you help them?

My son/daughter engages better using tv. What would you recommend?

We recommend to watch these documentaries:

Name	Length	Link
Gapminder Don't Panic, end poverty	59:18	https://www.gapminder.org/videos/dont-panic-end-poverty/
Gapminder Don't panic, the facts about population	58:50	https://www.gapminder.org/videos/dont-panic-the-facts-about-population/
Gapminder How not to be ignorant about the world	19:05	https://www.gapminder.org/videos/how-not-to-be-ignorant-about-the-world/
Gapminder The Joy of Stats	59:13	https://www.gapminder.org/videos/the-joy-of-stats/
Gapminder Population growth explained with IKEA boxes	9:56	https://www.gapminder.org/videos/population-growth-explained-with-ikea-boxes/
BBC Tails you Win: The Science of Chance	59:04	https://www.youtube.com/watch?v=pldHp4qayrU
BBC The Story of Maths	57:55	https://www.youtube.com/watch?v=mJbChZrXDJE
BBC Magic Numbers Mysterious World of Maths - Hannah Fry	58:45 58:38 59:02	Part 1 https://www.youtube.com/watch?v=cyvDG8qjt-M Part 2 https://www.youtube.com/watch?v=R6Qty8tAnVI Part 3 https://www.youtube.com/watch?v=TKKUZOqSTxw
BBC Horizon: Fermat's Last Theorem	49:14	https://www.bbc.co.uk/iplayer/episode/b0074rxx/horizon-19951996-fermats-last-theorem
BBC The Secret Rules of Modern Living Algorithms	58:33	https://www.youtube.com/watch?v=kiFfp-HAu64&app=desktop
The Story of One by Terry Jones	54:35	https://www.youtube.com/watch?v=Z5dky0oEDo8

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Numberphile	A collection of short videos	https://www.youtube.com/user/numberphile
Donald Duck, Mathmagic Land	27:34	https://www.youtube.com/watch?v=U_ZHsk0-eF0&app=desktop
PBS The Origami Revolution	53:31	https://www.youtube.com/watch?v=dH2bjZ6V_04&feature=youtu.be
Modelling Surveys introduced by Stewart Gartside	23:44	https://www.youtube.com/watch?v=dKA1VvFQ6Y0
RI Lectures 2019: How to get lucky - Hannah Fry	59:02	https://www.youtube.com/watch?v=_q4DrJHKC0Q
RI Lectures 2019: How to bend the rules - Hannah Fry	59:15	https://www.youtube.com/watch?v=TtisQ9yZ2zo
RI Lectures 2019: How can we all win? - Hannah Fry	59:20	https://www.youtube.com/watch?v=u5mNa6KE0IA
What happens when Maths goes wrong? - Matt Parker	1:07:33	https://www.youtube.com/watch?v=6JwEYamjXpA
Four Dimensional Maths: Things to see and hear in the fourth dimension	1:01:40	https://www.youtube.com/watch?v=1wAaI_6b9JE

Students can also access challenging puzzles and tasks at:

<https://nrich.maths.org/13583>

<https://www.ukmt.org.uk/competitions/solo/junior-mathematical-challenge/archive>

<https://www.accessmaths.co.uk/revision-resources.html#crossover>

Students are also able to sign up for www.drfrostmaths.com where they can access Past Paper Questions, Revision Resources and Mathematical Activities

We hope the above means that students have some structure around how they can routinely complete maths work each day, with support from both the online platforms they access and from teachers via email.

Many thanks for your support and encouragement during this testing time,

Our Lady's Catholic College Maths Team

Year 11- sitting in November



Corbettmaths

Corbettmaths.com
5-a-day



hegartymaths

Hegartymaths.com
-Videos and Quizzes
-MemRi
-Fix Up 5



Teacher set work
Team App



Beat the Nation!

<http://mrbartonmaths.com/btn/#foundation>
<http://mrbartonmaths.com/btn/#higher>

Year 11 Quick Links

- [Corbett Maths 5-A-Day](#)
- [Hegarty Maths](#)
- [On Maths](#) - online GCSE papers, type in your answer, and it marks it for you!
- [Mr Barton Maths](#) - [GCSE takeaway](#) resources come with questions and worked solutions
- <http://mrbartonmaths.com/btn/#foundation>
- <http://mrbartonmaths.com/btn/#higher>

Year 10



Corbettmaths

Corbettmaths.com
5-a-day



hegartymaths

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Year 7, 8 and 9

 Corbettmaths Corbettmaths.com 5-a-day	 hegartymaths Hegartymaths.com -Videos and Quizzes -MemRi -Fix Up 5	 Teacher set work Team App
		Beat the Nation! http://mrbartonmaths.com/btn/#sats

Year 7, 8 and 9 Quick Links

- [Corbett Maths 5-A-Day](#)
- [Hegarty Maths](#)
- <http://mrbartonmaths.com/btn/#sats>