



# Year 10 Summer Support 2020-21

## Mathematics – Higher

**Advice and support for all Year 10 Higher students**  
**Regular independent study will aid the recall of knowledge and enhance your skills to ensure targets are met next year**

**Tick when complete**

- Complete weekly topic worksheets – These are designed to test graded skills.
- Print off the Hegarty Maths PLCs. These summarise everything you need to learn.
- Use Hegarty Maths – watch tutorial videos and copy modelled examples.
- Complete topic quizzes.
- Download and practice past AQA exam questions from Maths’s genie website.
- Complete exam questions under timed conditions.
- Mark papers and identify areas of weakness.
- Use Hegarty Maths to watch tutorial videos and redo exam questions.
- Create a revision timetable that includes all units covered, ensure you allocate extra time for the areas you have identified as a weakness.

### Internet websites and apps for study support

- Show my homework- This is where you will find the revision checklist
- <https://hegartymaths.com/> for video tutorials and quizzes.
- <https://corbettmaths.com/contents/> - lots of videos and practise questions - 5 a day
- <https://www.mathsgenie.co.uk/> - Great for past exam questions and also graded topics
- <https://www.mathedup.co.uk/gcse-maths-takeaway/>- past exams papers
- <https://mathsbot.com/>- Excellent for warm up questions, quizzes and formulae
- <https://www.drfrostmaths.com/>

Study areas to practise or complete	Where to find the information to revise	Tick when complete
<b>Paper 1 Non- Calculator</b>		
- Transformations – All areas for 2D shapes	Hegarty clips 637 - 658	
- Indices for combination of rules	Hegarty clip 110	
- Indices with algebraic expressions	Hegarty clips 173 - 175	
- Indices manipulation powers	Hegarty Clip 793	
- Quadratic sequences	Hegarty Clips 247 - 250	
- Algebraic fractions	Hegarty Clips 172, 187, 229, 244	
- Changing subject of a formula	Hegarty Clips 281 - 286	
<b>Paper 1 Calculator</b>		
- Bounds	Hegarty clips 137 - 139	
- Worded Percentage problems	Hegarty clips 95 - 98	
- Surds – Multiplying and dividing	Hegarty clips 113 - 114	
- Surds – Brackets	Hegarty clips 116 - 117	
- Surds – Rationalising	Hegarty clips 118 - 119	
- Arch Length	Hegarty clip 545	
- Area of sector	Hegarty clip 546- 547	
<b>Key skills to practise</b>	<b>Where to find support on how to practise</b>	<b>Tick when complete</b>
Hegarty Higher topics PLC	<b>Hegarty Maths</b>	
Problem solving questions	<b>Maths genie</b>	

