



Year 9 Summer Support 2020-21

Mathematics – Foundation

| Advice and support for all Year 9 Foundation students Regular independent study will aid the recall of knowledge and enhance your skills to ensure targets are met next year | Tick when complete |
|---|---------------------------|
| <ul style="list-style-type: none"> • 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. | |
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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.dr frostmaths.com/>

| Study areas to practise or complete | Hegarty Maths clip numbers | Tick when complete |
|---|-----------------------------------|---------------------------|
| 1. Co-ordinates and midpoint | Clip: 200-205 | |
| 2. Probability | Clip: 351 – 353, 358 – 359 | |
| 3. Factorise algebraic expressions | Clip: 168 – 169 | |
| 4. Expanding brackets | Clip: 160 – 164 | |
| 5. Frequency trees | Clip: 368 – 369 | |
| 6. Venn Diagram | Clip: 383 – 388 | |
| 7. Pythagoras | Clip: 498 – 499 | |
| 8. Angles in a polygon | Clip: 562-563 | |
| 9. Inequalities | Clip: 269 | |
| 10. Rearranging subject of a formula | Clip: 280 – 281 | |
| 11. Standard form | Clip: 122 – 128 | |
| 12. Forming and solving equation | Clip: 176-186, 188 | |
| 13. Translations | Clip: 637 – 638 | |
| 14. Reflections | Clip: 639 – 641 | |
| 15. Enlargements | Clip: 642 – 647 | |
| 16. Rotations | Clip: 648 – 649 | |
| 17. Describe transformations | Clip: 650-657 | |
| 18. Straight line graphs from table of values | Clip: 206 | |
| Key skills to practise | Where to find support | Tick when complete |
| Hegarty Higher topics PLC | Hegarty Maths | |
| Problem solving questions | Maths genie | |
| Learn Knowledge organiser content | SMHW | |