



In the event that individual students are not attending school and are able to complete work, these are the **core topics** being covered by each subject each half term and the relevant links to learning materials to use.

## Subject: Mathematics

## Year: 9 Set 1-3

| Term     | Core topic/s   | Learning resources to access  | Additional suggested tasks   |
|----------|--|---|--|
| Autumn 1 | Number: <ul style="list-style-type: none"><li>• HCF/LCM</li><li>• Estimating calculation and rounding</li><li>• Indices</li><li>• Surds</li></ul>  | <a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf</a> | <ul style="list-style-type: none"><li>• Use the MemRi feature on Hegarty maths to revise topics that have already been covered.</li><li>• Use the fixup 5 feature on Hegarty to reattempt questions that you previously have answered incorrectly.</li><li>• L:\Maths\2. KS4 Resources\5.Yr11 Fact sheets – learn the formulae and key geometric facts</li></ul> |
| Autumn 2 | Algebra: <ul style="list-style-type: none"><li>• Expanding brackets</li><li>• Factorising expressions</li><li>• Linear sequences</li><li>• Substitution</li></ul>  | <a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf</a> |  |
| Spring 1 | Statistics: <ul style="list-style-type: none"><li>• Averages problems</li><li>• Time series</li><li>• Mean from grouped frequency tables</li><li>• Sampling</li></ul> Number: <ul style="list-style-type: none"><li>• Fractions</li><li>• Ratios</li></ul> | <a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf</a> |  |



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|          |   |   |  |
|----------|---|---|--|
|          | <ul style="list-style-type: none"><li>• Percentages</li><li>• Convert between fractions, decimals and percentages.</li></ul>                                  |   |  |
| Spring 2 | Geometry: <ul style="list-style-type: none"><li>• Trigonometry</li><li>• Pythagoras</li><li>• Angles in polygons</li><li>• Angles on parallel lines</li></ul> | <a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf</a> |  |
| Summer 1 | Geometry: <ul style="list-style-type: none"><li>• Perimeter</li><li>• Area</li><li>• Volume of prisms and cylinders</li><li>• Circles</li></ul>               | <a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf</a> |  |
| Summer 2 | Geometry: <ul style="list-style-type: none"><li>• Arc length</li><li>• Sector area</li><li>• Conversion problems</li><li>• Compound units</li></ul>           | <a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Higher.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Crossover.pdf</a><br><a href="https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf">https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths_GCSE_Revision_Foundation.pdf</a> |  |