# Remote Curriculum

## Year 10 Mathematics: Foundation

**How it Works:**

1. Find the correct week commencing row.
2. Find today`s day - There are 2 different lessons in each day and GCSE Examination Resources – you won't run out of work.
3. Choose a lesson – hold ctrl and click the chosen link.
   a. If you don't recognise the work, it appears too difficult or the link doesn't load;
      i. Try another task – look at the previous/next lesson or look at other days.
4. Some lessons have links to PowerPoints and other resources beneath the video and/or Starter Quiz (LSQ)
5. Complete any starter quizzes.
   a. Write your answer down
   b. Mark your answers and write down any corrections
6. Watch the videos and take notes.
7. Pause if/when instructed to do so to answer questions or respond.
8. Complete and go onto the next one.

| Week Commencing | Week | Day | Topic | Lesson 1 **Hold ctrl and click** | Lesson 2 **Hold ctrl and click** |
|---|---|---|---|---|---|
| 22/04/2025 | B | Tuesday | *Collecting and Representing data* | Interpreting bar charts<br>Pie charts | Pie charts<br>Stem and leaf |
| | | Wednesday | | Stem and leaf | Scatter graphs |
| | | Thursday | | Scatter graphs | Univariate and bivariate data |
| | | Friday | | Univariate and bivariate data | Correlation |
| 28/04/2025 | A | Monday | | Correlation | Line of best fit |
| | | Tuesday | | Line of best fit | Data in tables |
| | | Wednesday | | Data in tables | Choosing the right graph |
| | | Thursday | | Choosing the right graph | Comparing data |
| | | Friday | | Comparing data | Sampling |
| 06/05/2025 | B | Tuesday | *Pythagoras* | Know and understand Pythagoras' Theorem<br>Find Hypotenuse | Find Hypotenuse<br>Find shorter side |
| | | Wednesday | | Find shorter side | Finding missing length |
| | | Thursday | | Finding missing length | Showing a triangle is right angled |
| | | Friday | | Showing a triangle is right angled | Finding length of line segment |

| Date | Week | Day | Topic | Lesson 1 | Lesson 2 |
|---|---|---|---|---|---|
| 12/05/2025 | A | Monday | *Pythagoras* | Finding length of line segment | Pythagoras with isosceles |
| | | Tuesday | | Pythagoras with isosceles | Pythagoras with two triangles |
| | | Wednesday | | Pythagoras with two triangles | Pythagoras Theorem |
| | | Thursday | | Pythagoras Theorem | Pythagoras theorem 2 |
| | | Friday | | Pythagoras theorem 2 | Finding length of line segment |
| 19/05/2025 | B | Monday | *Trigonometry* | Know tangent, sine and cosine | Use tangent to find a length |
| | | Tuesday | | Use tangent to find a length | Use sine and cosine to find a length |
| | | Wednesday | | Use sine and cosine to find a length | Applying trigonometry |
| | | Thursday | | Applying trigonometry | Using trigonometry to find the perpendicular height of a triangle |
| | | Friday | | Using trigonometry to find the perpendicular height of a triangle | Solve basic trigonometry equations |
| 02/06/2025 | A | Monday | *Trigonometry* | Solve basic trigonometry equations | Using inverse functions to find an angle |
| | | Tuesday | | Using inverse functions to find an angle | Solve problems mixing angles and sides |
| | | Wednesday | | Solve problems mixing angles and sides | Know the trigonometry ratios |
| | | Thursday | | Know the trigonometry ratios | Substitute exact values to find a missing length |
| | | Friday | | Substitute exact values to find a missing length | Use trigonometry to find bearing problems |
| 09/06/2025 | B | Monday | *Plans, area and Volume* | Faces, edges and vertices | Drawing plan views and elevations |
| | | Tuesday | | Drawing plan views and elevations | Sketch 3D shapes when given plan and elevations |
| | | Wednesday | | Sketch 3D shapes when given plan and elevations | Using map scales to work out a length |
| | | Thursday | | Area and Perimeter of Compound Shapes (Rectangles) | Area of Triangles (Part 1) |
| | | Friday | | Area of Triangles (Part 1) | Area of Triangles |
| 16/06/2025 | A | Monday | | Area of Triangles | Area of Rectangles and Triangles |
| | | Tuesday | | Area of Rectangles and Triangles | Area of Rectangles, Parallelograms and Triangles |
| | | Wednesday | | Area of Rectangles, Parallelograms and Triangles | Area of Compound Shapes |
| | | Thursday | | Volume of Cubes and Cuboids | Volume of Triangular Prisms |
| | | Friday | | Volume of Triangular Prisms | Volume 3 |
| 23/06/2025 | B | Monday | | Volume 3 | Prisms and Cylinders |
| | | Tuesday | | Prisms and Cylinders | Volume of Cylinders |
| | | Wednesday | | Volume of Cylinders | Volume of Pyramids |
| | | Thursday | | Volume of Pyramids | Volume of Cones |
| | | | | Volume of Cones | Volume of Hemisphere |

| | | | | | |
|---|---|---|---|---|---|
| 30/06/2025 | A | Monday | | Volume of Hemisphere | Volume of Spheres |
| | | Tuesday | | Volume of Spheres | Volume of Composite Solids |
| | | Wednesday | | Area of Triangles (Part 1) | Area of Triangles |
| | | Thursday | | Area of Triangles | Area of Rectangles and Triangles |
| | | Friday | | Area of Rectangles and Triangles | Area of Rectangles, Parallelograms and Triangles |
| 14/07/2025 | A | Monday | *Types of Number revision* | Multiples and Factor Pairs | Identify Prime Numbers |
| | | Tuesday | | Identify Prime Numbers | Prime Factor Decomposition |
| | | Wednesday | | Prime Factor Decomposition | Using Prime Factor Decomposition |
| | | Thursday | | Using Prime Factor Decomposition | Simple LCM and HCF |
| | | Friday | | Simple LCM and HCF | Finding the LCM |