

# Remote Curriculum

## Year 9 Mathematics: Sets 3 and 4

### How it Works:

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



Ivybridge  
COMMUNITY COLLEGE

| Week Commencing | Week | Day       | Topic   | Lesson 1<br>Hold ctrl and click                  | Lesson 2<br>Hold ctrl and click                  |
|-----------------|------|-----------|---|--|--|
| 22/04/2025      | B    | Tuesday   | <i>Factors, multiples, primes, powers and roots</i> | <a href="#">Multiples and Factor Pairs</a>       | <a href="#">Identify Prime Numbers</a>           |
|                 |      | Wednesday |   | <a href="#">Identify Prime Numbers</a>           | <a href="#">Prime Factor Decomposition</a>       |
|                 |      | Thursday  |   | <a href="#">Prime Factor Decomposition</a>       | <a href="#">Using Prime Factor Decomposition</a> |
|                 |      | Friday    |   | <a href="#">Using Prime Factor Decomposition</a> | <a href="#">Simple LCM and HCF</a>               |
| 28/04/2025      | A    | Monday    |   | <a href="#">Simple LCM and HCF</a>               | <a href="#">Finding the LCM</a>                  |
|                 |      | Tuesday   |   | <a href="#">Finding the LCM</a>                  | <a href="#">Finding the HCF</a>                  |
|                 |      | Wednesday |   | <a href="#">Finding the HCF</a>                  | <a href="#">Applying LCM and HCF</a>             |
|                 |      | Thursday  |   | <a href="#">Applying LCM and HCF</a>             | <a href="#">Square and cube numbers</a>          |
|                 |      | Friday    |   | <a href="#">Square and cube numbers</a>          | <a href="#">Square roots and cube roots</a>      |
|                 |      |           |   | <a href="#">Square roots and cube roots</a>      | <a href="#">Higher powers</a>                    |
| 06/05/2025      | B    | Tuesday   |   | <a href="#">Higher powers</a>                    | <a href="#">Higher roots</a>                     |
|                 |      | Wednesday |   | <a href="#">Higher roots</a>                     | <a href="#">Multiply powers</a>                  |
|                 |      | Thursday  |   | <a href="#">Multiply powers</a>                  | <a href="#">Divide powers</a>                    |
|                 |      | Friday    |   | <a href="#">Divide powers</a>                    | <a href="#">Powers of powers</a>                 |
|                 |      |           |   | <a href="#">Powers of powers</a>                 | <a href="#">Manipulating powers</a>              |

|            |   |           |                                  |   |   |
|------------|---|-----------|----------------------------------|---|---|
| 12/05/2025 | A | Monday    | <i>Indices and standard form</i> | <a href="#">Manipulating powers</a>   | <a href="#">Multiples and Factor Pairs</a>  |
|            |   | Tuesday   |                                  | <a href="#">Checking and securing understanding of roots and integer indices</a>              | <a href="#">The laws of indices - multiplication</a>  |
|            |   | Wednesday |                                  | <a href="#">The laws of indices - multiplication</a>  | <a href="#">The laws of indices - division</a>  |
|            |   | Thursday  |                                  | <a href="#">The laws of indices - division</a>  | <a href="#">The laws of indices - raising a power to a power</a>                              |
|            |   | Friday    |                                  | <a href="#">The laws of indices - raising a power to a power</a>                              | <a href="#">The laws of indices - negative and zero exponents</a>                             |
| 19/05/2025 | B | Monday    |                                  | <a href="#">The laws of indices - negative and zero exponents</a>                             | <a href="#">Problem solving with the laws of indices</a>                                      |
|            |   | Tuesday   |                                  | <a href="#">Problem solving with the laws of indices</a>                                      | <a href="#">Checking and securing understanding of writing large numbers in standard form</a> |
|            |   | Wednesday |                                  | <a href="#">Checking and securing understanding of writing large numbers in standard form</a> | <a href="#">Checking and securing understanding of writing small numbers in standard form</a> |
|            |   | Thursday  |                                  | <a href="#">Checking and securing understanding of writing small numbers in standard form</a> | <a href="#">Adding numbers in standard form</a>   |
|            |   | Friday    |                                  | <a href="#">Adding numbers in standard form</a>   | <a href="#">Subtracting numbers in standard form</a>  |
|            |   |           |                                  |   |   |
| 02/06/2025 | A | Monday    | <i>Indices and standard form</i> | <a href="#">Subtracting numbers in standard form</a>  | <a href="#">Multiplying numbers in standard form</a>  |
|            |   | Tuesday   |                                  | <a href="#">Multiplying numbers in standard form</a>  | <a href="#">Dividing numbers in standard form</a>   |
|            |   | Wednesday |                                  | <a href="#">Dividing numbers in standard form</a>   | <a href="#">Problem solving with standard form calculations</a>                               |
|            |   | Thursday  |                                  | <a href="#">Problem solving with standard form calculations</a>                               | <a href="#">Problem solving with the laws of indices</a>                                      |
|            |   | Friday    | <i>Transformations</i>           | <a href="#">Checking understanding of congruence</a>  | <a href="#">Rotation</a>  |
| 09/06/2025 | B | Monday    |                                  | <a href="#">Rotation</a>  | <a href="#">Translation</a>   |
|            |   | Tuesday   |                                  | <a href="#">Translation</a>   | <a href="#">Reflection</a>  |
|            |   | Wednesday |                                  | <a href="#">Reflection</a>  | <a href="#">Enlargement</a>   |
|            |   | Thursday  |                                  | <a href="#">Enlargement</a>   | <a href="#">Enlargement- fractional scale factors</a>   |
|            |   | Friday    |                                  | <a href="#">Enlargement- fractional scale factors</a>   | <a href="#">Multiple transformations</a>  |

|            |   |           |                                    |  |   |
|------------|---|-----------|------------------------------------|--|---|
| 16/06/2025 | A | Monday    | <i>Equation of a straight line</i> | <a href="#">Multiple transformations</a>   | <a href="#">Identifying multiple transformations</a>  |
|            |   | Tuesday   |                                    | <a href="#">Identifying multiple transformations</a>   | <a href="#">problem solving with transformations</a>  |
|            |   | Wednesday |                                    | <a href="#">Checking and securing understanding of plotting coordinates</a>                                  | <a href="#">Checking and securing understanding of plotting coordinates generated from a rule</a>             |
|            |   | Thursday  |                                    | <a href="#">Checking and securing understanding of plotting coordinates generated from a rule</a>            | <a href="#">Checking and securing understanding of plotting coordinates with technology</a>                   |
|            |   | Friday    |                                    | <a href="#">Checking and securing understanding of plotting coordinates with technology</a>                  | <a href="#">Checking and securing plotting a relationship</a>   |
| 23/06/2025 | B | Monday    | <i>Equation of a straight line</i> | <a href="#">Checking and securing plotting a relationship</a>  | <a href="#">Features of linear relationships</a>  |
|            |   | Tuesday   |                                    | <a href="#">Features of linear relationships</a>   | <a href="#">Defining features of linear relationships</a>   |
|            |   | Wednesday |                                    | <a href="#">Defining features of linear relationships</a>  | <a href="#">Positive rate of change from a graph</a>  |
|            |   | Thursday  |                                    | <a href="#">Positive rate of change from a graph</a><br><a href="#">Negative rate of change from a graph</a> | <a href="#">Negative rate of change from a graph</a><br><a href="#">Rate of change from a coordinate pair</a> |
| 30/06/2025 | A | Monday    |                                    | <a href="#">Rate of change from a coordinate pair</a>  | <a href="#">The intercept point</a>   |
|            |   | Tuesday   |                                    | <a href="#">The intercept point</a>  | <a href="#">The equation of a straight line</a>   |
|            |   | Wednesday |                                    | <a href="#">The equation of a straight line</a>  | <a href="#">Finding the equation of the line <math>y = mx + c</math></a>                                      |
|            |   | Thursday  |                                    | <a href="#">Finding the equation of the line <math>y = mx + c</math></a>                                     | <a href="#">Finding the equation of the line <math>ay + bx + c = 0</math></a>                                 |
|            |   | Friday    |                                    | <a href="#">Finding the equation of the line <math>ay + bx + c = 0</math></a>                                | <a href="#">Checking and securing understanding of plotting coordinates</a>                                   |
| 14/07/2025 | A | Monday    |                                    | <a href="#">Area and Perimeter of Compound Shapes (Rectangles)</a>   | <a href="#">Area of Triangles</a>   |
|            |   | Tuesday   |                                    | <a href="#">Area of Triangles (Part 1)</a>   | <a href="#">Area of Rectangles and Triangles</a>  |
|            |   | Wednesday |                                    | <a href="#">Area of Triangles</a>  | <a href="#">Area of Rectangles, Parallelograms and Triangles</a>  |
|            |   | Thursday  |                                    | <a href="#">Area of Rectangles and Triangles</a>   | <a href="#">Area of Compound Shapes</a>   |
|            |   | Friday    |                                    | <a href="#">Area of Rectangles, Parallelograms and Triangles</a>   | <a href="#">Representing Ratio</a>  |