|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **w/b** | **In-School Learning** | **Blended Learning** |  | **Approximate completion time** |
| 7/9 | **Powers and Roots**  -Calculating with Powers and Roots | <https://corbettmaths.com/2013/03/03/fractionalindices/>  <https://corbettmaths.com/2013/03/13/laws-of-indices-algebra>  <https://corbettmaths.com/wp-content/uploads/2013/02/laws-of-indices-algebra-pdf.pdf>  <https://corbettmaths.com/2013/03/24/negative-indices/>  <https://corbettmaths.com/wp-content/uploads/2013/02/square-numbers-and-square-roots-pdf1.pdf>  <https://corbettmaths.com/wp-content/uploads/2013/02/laws-of-indices-algebra-pdf.pdf> |  | 1 ½ weeks |
| 14/9 | **Powers and Roots**  - Surds and Irrational Numbers | <https://corbettmaths.com/2013/05/11/surds/>  <https://corbettmaths.com/2013/05/11/surds-addition/>  <https://corbettmaths.com/2013/05/11/rationalising-denominators/>  <https://members.gcsepod.com/shared/podcasts/title/10215/62484>  <https://corbettmaths.com/wp-content/uploads/2013/02/surds.pdf>  <https://corbettmaths.com/wp-content/uploads/2013/02/surds.pdf> |  | **Continued from week 7/9** |
| 21/9 | **Indices**  -Multiplying and diving in index form  -Raise indices to powers  -Calculate with negative powers and a power of zero  -Calculate with fractional indices  -Solve complex equations with indices | <https://members.gcsepod.com/shared/podcasts/title/10215/62482>  <https://members.gcsepod.com/shared/podcasts/title/10215/62480>  <https://members.gcsepod.com/shared/podcasts/chapter/62479>  <https://corbettmaths.com/wp-content/uploads/2013/02/laws-of-indices-algebra-pdf.pdf> |  | 1 week |
| 28/9 | **Standard Form**  **-** Convert numbers to and from standard form  - Calculate with numbers in standard form  - Solve problems with numbers in standard form | <https://members.gcsepod.com/shared/search?search=standard%20form>  <https://corbettmaths.com/wp-content/uploads/2013/02/standard-form-pdf.pdf> |  | 1 week |
| 5/10 | **Sequences**  **-** Recognise and describe various types of sequences  - Find the nth term of an arithmetic sequence and solve problems  -Calculate the nth term of geometric sequences | [Sequences](https://members.gcsepod.com/shared/podcasts/title/12381/76225)  <https://members.gcsepod.com/shared/podcasts/title/12381/76225>  <https://members.gcsepod.com/shared/podcasts/title/10195/62893>  <https://corbettmaths.com/2012/08/20/the-nth-term-for-linear-sequences/> |  | 1 week |
| 12/10 | **Sequences (cont’d)**  Further geometric sequences (surds as common ratio)  - Recognise and continue quadratic sequences  -Find the nth term of quadratic sequences | <https://members.gcsepod.com/shared/podcasts/title/10195/62896>  <https://members.gcsepod.com/shared/podcasts/title/10195/62891> |  | **1 week** |
| 19/10 | **(Revision of Powers/Roots/Surds/Sequences)**  ***End Of Term Assessment*** | <https://corbettmaths.com/wp-content/uploads/2019/02/Laws-of-Indices-174-pdf.pdf>  <https://corbettmaths.com/wp-content/uploads/2013/02/surds.pdf>  <https://corbettmaths.com/wp-content/uploads/2018/12/nth-term-pdf.pdf>  <https://corbettmaths.com/wp-content/uploads/2018/12/nth-term-pdf.pdf> |  | 1 week |