

Year 10 Maths

Learning Programme 5

Reading texts that pupils will study during the learning programme

Logic for LP5 is communication

The value we are learning about is **compassion**
Compassion - Sympathy and concern for the suffering or misfortunes of other

What will I be learning about in this Learning Programme?
Types of number and sequences, indices and roots.

Where have I seen this learning before?
Factors, multiples and primes, linear sequences and index laws.

What could I use it for?
in combination with other topics to solve multi step problems.

Problem solving questions on HCF, LCM and standard form.

| In LP5.1, I will know: | 20/05/24 - (WK 1) | PR Focus | Key Vocabulary | Homework |
|--|-------------------|----------|------------------------------|---|
| the difference between factors and multiples; how to express a number as a product of prime factors; how to find the HCF and LCM of a set of numbers. | | | product of primes | To complete task in knowledge organiser |
| In LP5.2, I will know: | 03/06/24 - (WK 2) | PR Focus | Key Vocabulary | Homework |
| how to describe and continue sequences; how to recognise special sequences; find the nth term of a sequence. | | | Fibonacci, term | To complete task in knowledge organiser |
| In LP5.3, I will know: | 10/06/24 - (WK 1) | PR Focus | Key Vocabulary | Homework |
| how to prepare for my mock exams; exam paper 1 Extended Task | | | | To complete task in knowledge organiser |
| In LP5.4, I will know: | 17/06/24 - (WK 2) | PR Focus | Key Vocabulary | Homework |
| how to prepare for my mock exams; exam paper 2. | | | | To complete task in knowledge organiser |
| In LP5.5, I will know: | 24/06/24 - (WK 1) | PR Focus | Key Vocabulary | Homework |
| square and cube numbers and how to find their roots; how to use the index laws; how to use the power zero and negative powers. | | | index laws | To complete task in knowledge organiser |
| In LP5.6, I will know: | 01/07/24 - (WK 2) | PR Focus | Key Vocabulary | Homework |
| how to convert standard form to ordinary form; how to calculate numbers in standard form. Extended Task | | | standard form, ordinary form | To complete task in knowledge organiser |
| In LP5.7, I will know: | 08/07/24 - (WK 1) | PR Focus | Key Vocabulary | Homework |
| how to close the gaps in knowledge from my mock exams. | | | | To complete task in knowledge organiser |
| In LP5.8, I will know: | 15/07/24 - (WK 2) | PR Focus | Key Vocabulary | Homework |
| experience week. | | | | |
| Resources to support learning: | | | | |
| Students will be given login details for mathswatch by their class teacher to support their independent studies. | | | | |
| FFET Award Challenge for this Learning Programme: | | | | |
| Attend an extra-curricular club, represent the academy at an event, attend an enrichment day, receive a subject praise postcard, attend a day trip, attend a head of year breakfast or afternoon tea, achieve 100 positive points on class charts, receive a letter of commendation from SLT, be invited to a wonderful Wednesday, receive a principals letter or be invited to a principals lunch, attend a residential trip, achieve the Duke of Edinburgh bronze award. | | | | |

PRT Task 1

PRT Task 2