Remote Curriculum Year 10 Maths: Foundation sets 4 and 5.
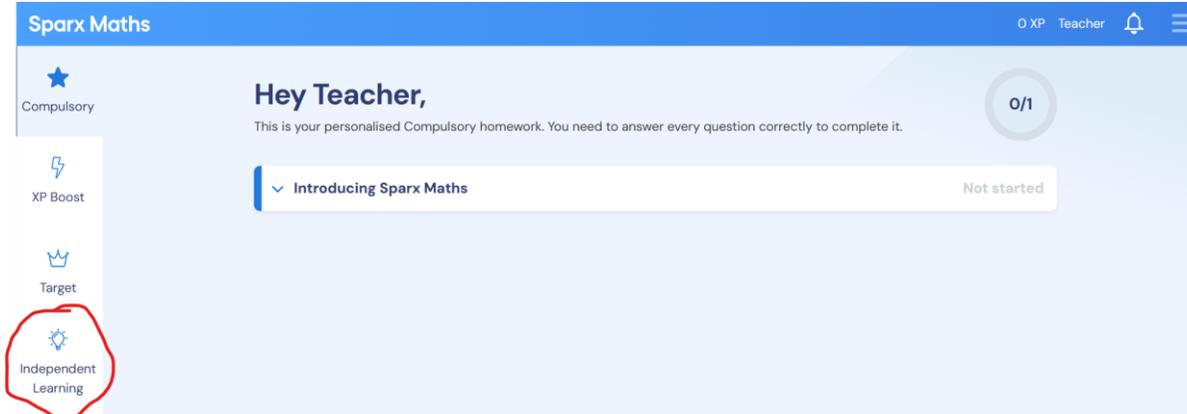
How it Works:

1. Find the correct week commencing row.
2. Find today's day - There is one video lesson for you to complete and then a Sparx independent learning activity.
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.
   Some lessons have links to PowerPoints and other resources beneath the video and/or Starter Quiz
5. Complete any starter quizzes.
   b. Write your answer down
   c. 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 Sparx independent task as shown below.

Login to Sparx using your usual details.
Click on the Independent Learning Button in the bottom left corner as indicated below.

Type in the topic code given on the revision list above and change your 'Curriculum' to GCSE.
Foundation GCSE students should be completing questions at levels 1-3. (If there are no questions available at this level, please select level where there are questions).

Independent Learning

Search for topics:

Enter topic name or code

Your curriculum:

GCSE ▼

Default level:

Level 4 ▼

Select a topic:

Number

Algebra x^2

Week Commencing	Day	Topic	Lesson 1 **Hold ctrl and click**	Sparx Code **Type this code into independent learning section on Sparx as shown.**
09/09/24	Monday	Numbers, Powers and Roots	Lesson: Multiples and Factor Pairs | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U211
	Tuesday		Lesson: Identify Prime Numbers | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U236
	Wednesday		Lesson: Checking and securing understanding of prime factorisation | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U739
	Thursday		Lesson: Checking and securing understanding of LCM and HCF | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U250
	Friday		Lesson: Applying LCM and HCF | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	Complete the questions from the worksheet on the link on the left.
16/09/24	Monday		Lesson: Square and cube numbers | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	Complete the questions from the worksheet on the link on the left.
	Tuesday		Lesson: Square roots and cube roots | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	Complete the questions from the worksheet on the link on the left.
	Wednesday		Lesson: Higher powers | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U299
	Thursday		Lesson: Higher roots | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U851

	Friday		[Lesson: Checking and securing understanding of LCM and HCF | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	Complete the questions from the worksheet on the link on the left.
23/09/24	Monday	Indices and Standard Form	[Lesson: Checking and securing understanding of roots and integer indices | Higher | KS4 Maths | Oak National Academy (thenational.academy)](#)	U851
	Tuesday		[Lesson: Accuracy of final answers | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	Complete the questions from the worksheet on the link on the left.
	Wednesday		[Lesson: The laws of indices - multiplication | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U235
	Thursday		[Lesson: The laws of indices - division | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U235
	Friday		[Lesson: The laws of indices - raising a power to a power | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U235
30/09/24	Monday		[Lesson: The laws of indices - negative and zero exponents | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U534
	Tuesday		[Lesson: Problem solving with the laws of indices | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	Complete the questions from the worksheet on the link on the left.
	Wednesday		[Lesson: Convert large numbers to standard form | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U330
	Thursday		[Lesson: Convert large standard form numbers to ordinary form | Foundation |](#)	U330

			KS4 Maths | Oak National Academy (thenational.academy)	
	Friday		Lesson: Convert small numbers to standard form | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U534
07/10/24	Monday		Lesson: Convert small standard form numbers to ordinary form | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U534
	Tuesday		Lesson: Adding two numbers in standard form | Core | KS4 Maths | Oak National Academy (thenational.academy)	U290
	Wednesday		Lesson: Subtracting two numbers in standard form | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U290
	Thursday		Lesson: Multiplying Two Numbers in Standard Form | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U264
	Friday		Lesson: Dividing Two Numbers in Standard Form | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U264
14/10/24	Monday	Sequences	Lesson: Checking and securing understanding of special number sequences | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U680
	Tuesday		Lesson: Fibonacci and alternating sequences | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U680
	Wednesday		Unit: Sequences | KS3 Maths | Oak National Academy (thenational.academy)	Complete the questions from the worksheet on the link on the left.

			Lesson: Checking and securing rules for generating arithmetic sequences | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U530
		Thursday		
		Friday		Lesson: Identifying values in an arithmetic sequence | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U213
21/10/24		Monday		Lesson: Reasoning about values in an arithmetic sequence | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	Complete the questions from the worksheet on the link on the left.
		Tuesday		Lesson: Conditions in arithmetic sequences | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	Complete the questions from the worksheet on the link on the left.
		Wednesday		Lesson: Arithmetic sequences and their graphs | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	Complete the questions from the worksheet on the link on the left.
		Thursday		Lesson: Checking and securing understanding of geometric sequences | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U958
		Friday		Lesson: Problem solving with further sequences | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	Complete the questions from the worksheet on the link on the left.
04/11/24		Monday		Lesson: Checking and securing understanding of simplifying | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U105
		Tuesday		Lesson: Checking and securing understanding of substitution | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U585

	Wednesday	Algebra Review	[Lesson: Checking and securing understanding of expanding a single bracket | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U179
	Thursday		[Lesson: Checking and securing understanding of factorising | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U365
	Friday		[Lesson: Checking and securing understanding of forming linear equations | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U325
11/11/24	Monday		[Lesson: Checking and securing understanding of changing the subject | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U675/U181
	Tuesday		[Lesson: Checking and securing understanding of drawing linear graphs | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U741
	Wednesday		[Lesson: Checking and securing understanding of finding the equation of the line from the graph | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U315
	Thursday		[Lesson: Checking and securing understanding of finding the equation of the line from coordinates | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U848
	Friday		[Lesson: Finding midpoints | KS3 Maths | Oak National Academy (thenational.academy)](#)	U933
18/11/24	Monday		[Lesson: Checking and securing understanding of simplifying |](#)	U662

			Foundation	KS4 Maths	Oak National Academy (thenational.academy)	
	Tuesday		Lesson: Checking and securing understanding of substitution	Foundation	KS4 Maths	Oak National Academy (thenational.academy)	U144
	Wednesday	Quadratics	Lesson: Checking and securing understanding of forming linear equations	Foundation	KS4 Maths	Oak National Academy (thenational.academy)	U599
	Thursday		Lesson: Checking and securing understanding of solving and interpreting linear equations	Foundation	KS4 Maths	Oak National Academy (thenational.academy)	U325
	Friday		Lesson: Checking and securing understanding of expanding a single bracket	Foundation	KS4 Maths	Oak National Academy (thenational.academy)	U179
25/11/24	Monday		Lesson: Checking and securing understanding of factorising	Foundation	KS4 Maths	Oak National Academy (thenational.academy)	U365
	Tuesday		Lesson: Checking and securing understanding of the product of two binomials	Foundation	KS4 Maths	Oak National Academy (thenational.academy)	U768
	Wednesday		Lesson: Factorising a quadratic expression	Foundation	KS4 Maths	Oak National Academy (thenational.academy)	U178
	Thursday		Lesson: Factorising using the difference of two squares	Foundation	KS4 Maths	Oak National Academy (thenational.academy)	U963

	Friday		Lesson: Solving quadratic equations by factorising | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U228
02/12/24	Monday		Lesson: Problem solving with algebraic manipulation | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	Complete the questions from the worksheet on the link on the left.
	Tuesday		Lesson: Checking and securing understanding of drawing quadratic graphs | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U989
	Wednesday		Lesson: Key features of a quadratic graph | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U667
	Thursday		Lesson: Drawing cubic graphs | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U980
	Friday		Lesson: Drawing reciprocal graphs | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U593
09/12/24	Monday		Lesson: Checking and securing understanding of solving and interpreting linear equations | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U870
	Tuesday		Lesson: Checking and securing understanding of interpreting graphs | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	U669
	Wednesday	Simultaneous Equations	Lesson: Forming simultaneous equations | Foundation | KS4 Maths | Oak National Academy (thenational.academy)	Complete the questions from the worksheet on the link on the left.

	Thursday		[Lesson: Combining equations | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	Complete the questions from the worksheet on the link on the left.
	Friday		[Lesson: Solving algebraic simultaneous equations by elimination | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U760
16/12/24	Monday		[Lesson: Solving more complex simultaneous equations by elimination | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U760
	Tuesday		[Lesson: Solving simultaneous linear equations by substitution | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U757
	Wednesday		[Lesson: Solving simultaneous linear equations graphically | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	U836
	Thursday		[Lesson: Solving simultaneous equations via any method | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	Complete the questions from the worksheet on the link on the left.
	Friday		[Lesson: Problem solving with simultaneous equations | Foundation | KS4 Maths | Oak National Academy (thenational.academy)](#)	Complete the questions from the worksheet on the link on the left.