Remote Curriculum

Year 9 – Mathematics: Sets 1, 2 and 3
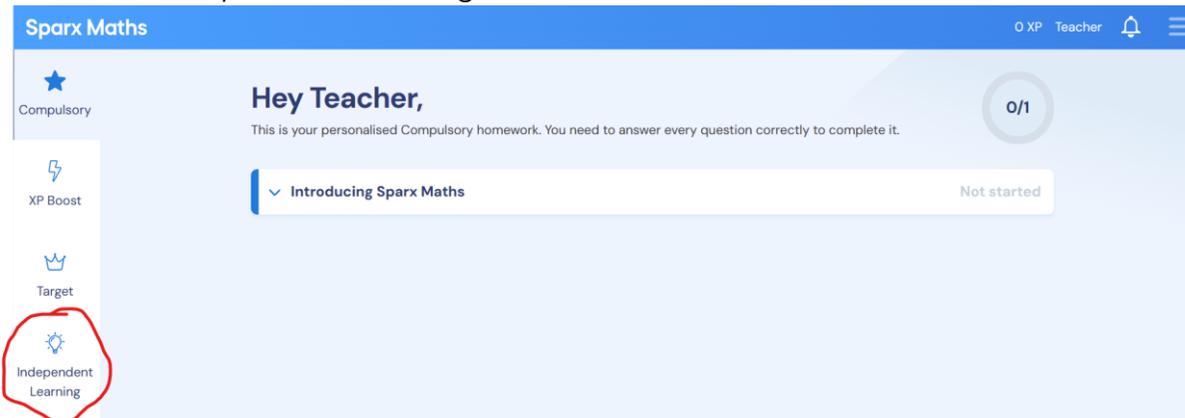
How it Works:

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.
Higher GCSE students should be completing questions at level 3 or above. (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.**
15/04/24	Monday	Sequences	Finding the term-to-term rule	Oak National Academy (thenational.academy)	U213
	Tuesday		Find terms of a linear sequence (thenational.academy)	U530
	Wednesday		The nth term rule: Position-to-term for arithmetic sequences	Oak National Academy (thenational.academy)	U498
	Thursday		Descending arithmetic sequences	Oak National Academy (thenational.academy)	U498
	Friday		Growing pattern sequences	Oak National Academy (thenational.academy)	U978
22/04/24	Monday		Triangular and Fibonacci style sequences (thenational.academy)	U680
	Tuesday		Simple quadratic and cubic sequences (thenational.academy)	U206
	Wednesday		Find the nth term of a quadratic sequence	Oak National Academy (thenational.academy)	U206
	Thursday	Pythagoras	Know and Understand Pythagoras' theorem	Oak National Academy (thenational.academy)	U385
	Friday		Find the length of the hypotenuse	Oak National Academy (thenational.academy)	U385
29/04/24	Monday		Find the length of the shorter side	Oak National Academy (thenational.academy)	U385
	Tuesday		Mixture of Finding a Missing Length	Oak National Academy (thenational.academy)	U385

	Wednesday		[Use Pythagoras' theorem to show that a triangle is right-angled | Oak National Academy (thenational.academy)](#)	U385
	Thursday		[Use Pythagoras' Theorem to find the length of a line segment | Oak National Academy (thenational.academy)](#)	U385
	Friday		[Apply Pythagoras' Theorem to two triangles | Oak National Academy (thenational.academy)](#)	U385
06/05/24	Monday	Trigonometry	[Know tangent, sine and cosine | Oak National Academy (thenational.academy)](#)	U605
	Tuesday		[Use tangent to find a length | Oak National Academy (thenational.academy)](#)	U283
	Wednesday		[Use sine and cosine to find a length | Oak National Academy (thenational.academy)](#)	U283
	Thursday		[Applying Trigonometry | Oak National Academy (thenational.academy)](#)	U283
	Friday		[Solve basic trigonometry equations | Oak National Academy (thenational.academy)](#)	U545
13/05/24	Monday		[Use inverse functions to find an angle | Oak National Academy (thenational.academy)](#)	U545
	Tuesday		[Solve problems mixing angles and sides | Oak National Academy (thenational.academy)](#)	U283
	Wednesday		[Know the trigonometry ratios for 0°, 30°,45°,60° and 90° | Oak National Academy (thenational.academy)](#)	U627
	Thursday		[Substitute the exact values to find a missing length | Oak National Academy (thenational.academy)](#)	U627
	Friday		[Know when to use Pythagoras or Trigonometry to solve problems | Oak National Academy (thenational.academy)](#)	U283/U385
20/05/24	Monday		[Data collection | Oak National Academy (thenational.academy)](#)	U653

	Tuesday	Data, Graphs and Charts	[Bar charts | Oak National Academy (thenational.academy)](#)	U363
	Wednesday		[Composite and multiple bar charts | Oak National Academy (thenational.academy)](#)	U557
	Thursday		[Pictograms | Oak National Academy (thenational.academy)](#)	U506
	Friday		[Interpret timetables and distance tables | Oak National Academy (thenational.academy)](#)	U981
03/06/24	Monday		[Design and interpret two-way tables | Oak National Academy (thenational.academy)](#)	U981
	Tuesday		[Draw and interpret pie charts | Oak National Academy (thenational.academy)](#)	U508
	Wednesday		[Draw and interpret pie charts | Oak National Academy (thenational.academy)](#)	U172
	Thursday		[Stem and leaf diagrams | Oak National Academy (thenational.academy)](#)	U200
	Friday		[Stem and leaf diagrams | Oak National Academy (thenational.academy)](#)	U909
10/06/24	Monday		[Frequency Polygons Video – Corbettmaths](#)	U840
	Tuesday		[Plot and interpret time-series graphs | Oak National Academy (thenational.academy)](#)	U590
	Wednesday		[Find the mean, median, mode and range from a list of numbers | Oak National Academy (thenational.academy)](#)	U854
	Thursday		[Mean from a frequency table | Oak National Academy (thenational.academy)](#)	U569
	Friday		[Mean from a grouped frequency table | Oak National Academy (thenational.academy)](#)	U877
17/06/24	Monday		[Perimeter of polygons and compound shapes | Oak National Academy (thenational.academy)](#)	U351

	Tuesday		Rectilinear shapes | Oak National Academy (thenational.academy)	U226
	Wednesday		Area of parallelograms | Oak National Academy (thenational.academy)	U424
	Thursday	Perimeter and Area	Area of triangles | Oak National Academy (thenational.academy)	U945
	Friday		Further triangles | Oak National Academy (thenational.academy)	U575
24/06/24	Monday		Area of a trapezium | Oak National Academy (thenational.academy)	U265
	Tuesday		Area of compound shapes | Oak National Academy (thenational.academy)	U970
	Wednesday		Finding the Surface Area of Cubes and Cuboids | Oak National Academy (thenational.academy)	U929
	Thursday		Finding the Surface Area of Triangular Prisms | Oak National Academy (thenational.academy)	U259
	Friday		Volume of Cubes and Cuboids | Oak National Academy (thenational.academy)	U786
01/07/24	Monday		Know the parts of a circle | Oak National Academy (thenational.academy)	U767
	Tuesday	Circles	Find the circumference of a circle | Oak National Academy (thenational.academy)	U604
	Wednesday		Find the Diameter or Radius when given the Circumference | Oak National Academy (thenational.academy)	U604
	Thursday		Find the Area of a Circle | Oak National Academy (thenational.academy)	U950
	Friday		Find the radius and diameter when given the area | Oak National Academy (thenational.academy)	U950
15/07/24	Monday		Find the area of a semicircle and quarter circle | Oak National Academy (thenational.academy)	U950

	Tuesday		Find the area of a sector | Oak National Academy (thenational.academy)	U373
	Wednesday		Find the radius or diameter given the area of a sector | Oak National Academy (thenational.academy)	U221
	Thursday		Find the volume of a cylinder | Oak National Academy (thenational.academy)	U915
	Friday		Surface area of a cylinder | Oak National Academy (thenational.academy)	U464