

Remote Curriculum

Year 9 – Mathematics: Sets 4 and 5.

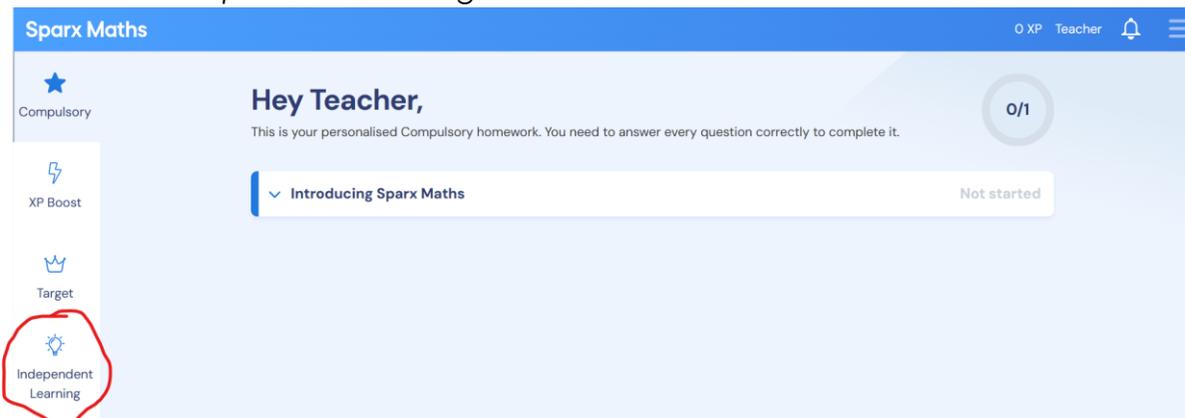
How it Works:

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

Find topics

My activity

Search for topics:

Enter topic name or code

Your curriculum:

GCSE

Default level:

Level 4

Select a topic:

Number



Algebra



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	Sequences	Triangular and Fibonacci style sequences (thenational.academy)	U680
	Tuesday		Simple quadratic and cubic sequences (thenational.academy)	U206
	Wednesday		Geometric Progressions Video – Corbettmaths	U958
	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	Pythagoras	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
	Monday		Design and interpret two-way tables Oak National Academy (thenational.academy)	U981
03/06/24	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	Perimeter and Area	Rectilinear shapes Oak National Academy (thenational.academy)	U226
	Wednesday		Area of parallelograms Oak National Academy (thenational.academy)	U424
	Thursday		Area of triangles Oak National Academy (thenational.academy)	U945
	Friday		Further triangles Oak National Academy (thenational.academy)	U575
	Monday		Area of a trapezium Oak National Academy (thenational.academy)	U265
24/06/24	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	Circles	Know the parts of a circle Oak National Academy (thenational.academy)	U767
	Tuesday		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