

Remote Curriculum

Year 10 – Mathematics: Sets 4 and 5.

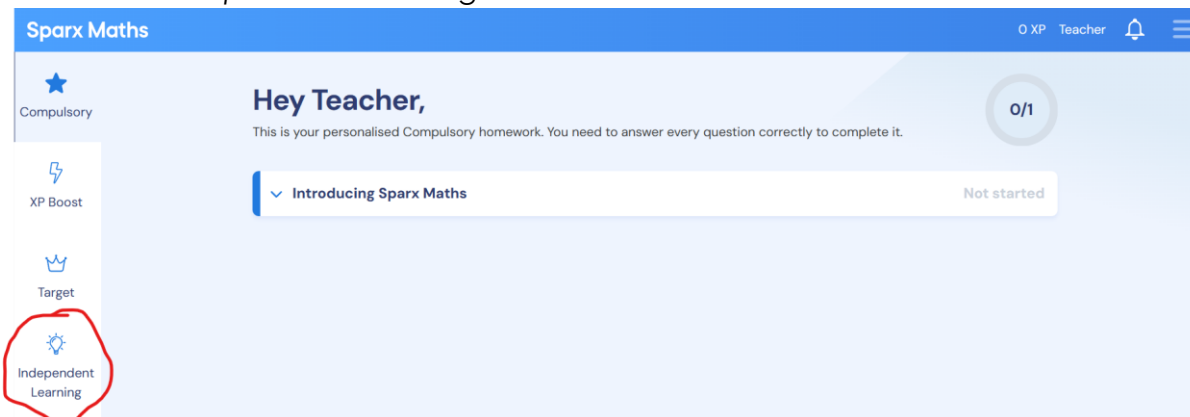
How it Works:

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

x^2

Week Commencing	Week	Day	Title	Lesson 1 Hold ctrl and click	Sparx Code Type this code into independent learning section on Sparx as shown.
1/1/2024	A	Monday			
		Tuesday			
		Wednesday	Plans and Elevations	Faces, Edges and Vertices	U719
		Thursday		Draw plan views and elevations of 3D shapes	U743
		Friday		Sketch 3D shapes when given plan and elevation	U761
8/1/2024	B	Monday	Construction, Loci and Bearings	Use a map scale to work out a length and vice versa	U257
		Tuesday		Construct triangles	U187
		Wednesday		Construct a perpendicular bisector	U245
		Thursday		Construct an angle bisector	U787
		Friday		Loci around a point Loci from a line	U820
15/1/2024	A	Monday		Know the cardinal compass and the three rules of bearings	U525
		Tuesday		Measure the 3-figure bearing between 2 points and find a point when given a 3-figure bearing and length	U525
		Wednesday	Multiplicative Reasoning	Use and apply the speed formula	U151
		Thursday		Use and apply the density formula	U910
		Friday		Use and apply the pressure formula	U527
22/1/2024	B	Monday		Compare the cost of two items using the unitary method	U721
		Tuesday		Proportion problems	U721
		Wednesday		Using direct proportion graphs	U238

		Thursday	Multiplicative Reasoning	Converting from fractions to percentages	U925
		Friday		Decimal Multipliers	U671
29/1/2024	A	Monday		Repeated percentage increase	U332
		Tuesday		Repeated percentage decrease	U988
		Wednesday		Understanding rate	U256
		Thursday	Conversion rates	U610	
		Friday	Exchange rates with graphs	U652	
5/2/2024	B	Monday	Real Life Graphs	Calculating speed, distance and time	U462/ U151
		Tuesday		Displacement-time graphs (Part 1)	U403/ U914
		Wednesday		Displacement-time graphs (Part 2)	U937
		Thursday		Speed as rate (distance-time graphs)	U966
		Friday		Linear and non-linear graphs	U652
February Half Term Holiday					
19/2/2024	A	Monday	Straight Line Graphs		
		Tuesday		The 2-D coordinate axis	U789
		Wednesday		Line segments	U789/ U933
		Thursday		Finding midpoints	U933
		Friday		Solving geometric problems	U889
26/2/2024	B	Monday		Equations of lines	M797
		Tuesday		Draw and recognise graphs of the form $y = kx$	M797
		Wednesday		Draw graphs of the form $y=mx+c$ by using a table of values	U741
		Thursday		Draw graphs of the form $ax+by = c$ by using a table of values	U741
		Friday		Use graphs to solve simple equations including simultaneous equations	U836
4/3/2024	A	Monday		Find the gradient of a line	M544
		Tuesday		Find the equation of a straight line using $y=mx+c$	U315

		Wednesday		Find the intercept and gradient from a line given in any form	U669
		Thursday		Find the equation of a straight line through two given points	U848
		Friday		Compare the cost of two items using the unitary method	U721
11/3/2024	B	Monday	Ratio and Proportion Revision	Simplifying ratios	U687
		Tuesday		Divide a quantity in a given ratio	U577 / U595
		Wednesday		Find a part given a part	U753
		Thursday		Find the total or difference given a part	U753
		Friday		Ratio and fractions	U176
18/3/2024	A	Monday	Pythagoras	Know and Understand Pythagoras' theorem	U385
		Tuesday		Find the length of the hypotenuse	U385
		Wednesday		Find the length of the shorter side	U385
		Thursday		Mixture of Finding a Missing Length	U385
		Friday		Use Pythagoras' theorem to show that a triangle is right-angled	U385
25/3/2024	B	Monday	Trigonometry	Use Pythagoras' Theorem to find the length of a line segment	U385
		Tuesday		Know tangent, sine and cosine	U605
		Wednesday		Use tangent to find a length	U283
		Thursday		Use sine and cosine to find a length	U283
		Friday			