Remote Curriculum

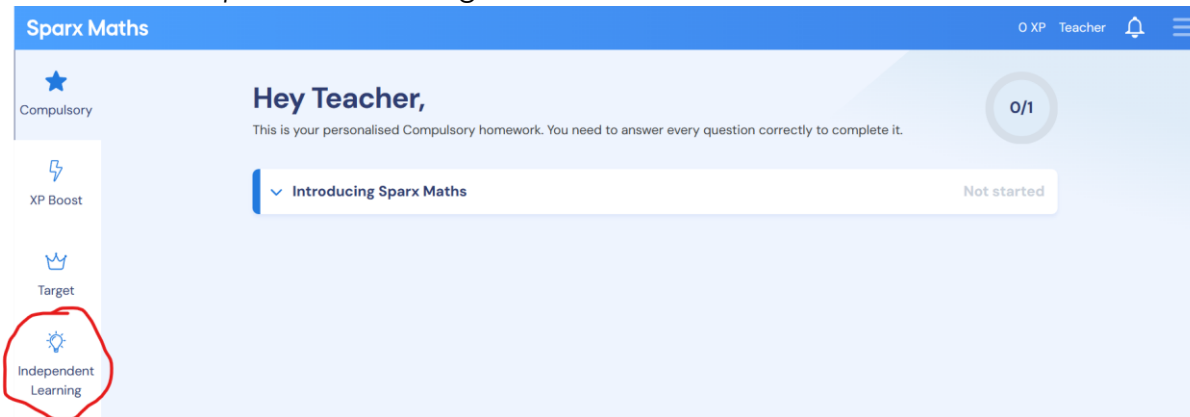## Year 9 – Mathematics: Sets 1, 2 and 3

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:

Your curriculum:

Default level:

Enter topic name or code

GCSE ▼

Level 4 ▼

Select a topic:

Number

Algebra

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		Equivalent fractions	U704
		Thursday		Comparing fractions 1 Comparing fractions 2	U704
		Friday		Fraction of an amount	U881 / U916
8/1/2024	B	Monday		Multiplying fractions 1	U475
		Tuesday		Multiplying fractions 2	U224
		Wednesday		Dividing fractions 1	U544
		Thursday	Fractions, Decimals and Percentages	Dividing fractions 2	U538
		Friday		Adding and subtracting Fractions 1	U736
15/1/2024	A	Monday		Adding and subtraction fractions 2	U793
		Tuesday		Convert fractions to decimals and percentages without a calculator Convert fractions to decimals and percentages with a calculator	U888
		Wednesday		Write a fraction as a recurring decimal using division	U550
		Thursday		Recurring decimals where one number repeats Recurring decimals where two or more numbers repeat	U689
		Friday		Express one number as a fraction or percentage of another without a calculator	U925
22/1/2024	B	Monday	Percentages	Decimal multiplier method to find percentages of an amount	U349
		Tuesday		Increase and Decrease an Amount by a Percentage	U671
		Wednesday		Calculate Percentage Change	U278

Date		Day	Topic	Subtopic	Code
		Thursday		Reverse Percentages	U286
		Friday		Simple Interest	U533
29/1/2024	A	Monday		Repeated percentage increase and decrease	U332
		Tuesday	Ratio and Proportion	Simplifying ratios	U687
		Wednesday		Divide a quantity in a given ratio	U577 / U595
		Thursday		Find a part given a part	U753
		Friday		Find the total or difference given a part	U753
5/2/2024	B	Monday		Ratio and fractions	U176
		Tuesday		Combining Ratios	U921
		Wednesday		Algebraic problems with ratio	U676
		Thursday		Compare the cost of two items using the unitary method	U721
		Friday		Proportion problems	U610
February Half Term Holiday					
19/2/2024	A	Monday			
		Tuesday	Averages and Range	Finding the mean	U291
		Wednesday		Problem solving with the Mean	U291
		Thursday		Median, Mode and Range	U456 / U260 / U526
		Friday		Comparing data	U717
26/2/2024	B	Monday		Interpreting frequency tables	U569
		Tuesday		Mean from frequency tables	U569
		Wednesday		Median from frequency tables	U569
		Thursday		Mean from a grouped frequency table	U312
		Friday		Stem and leaf diagrams	U200/ U909
4/3/2024	A	Monday		Design and interpret two-way tables	U981
		Tuesday	Angles and Parallel Lines	Find missing angles around a point and on a straight line	U390
		Wednesday		Find missing angles in a triangle	U628
		Thursday		Find missing angles in a quadrilateral	U732
		Friday		Find missing angles in a special quadrilateral	U329

11/3/2024	B	Monday		Transversal angles	U826
		Tuesday		Alternate angles	U826 / U655
		Wednesday		Corresponding and allied angles	U826 / U655
		Thursday		Angles in parallel lines with two transversals	U655
		Friday		Interior angles in a triangle	U628
18/3/2024	A	Monday	Angles in polygons	Building shapes from triangles (Part 1)	U427
		Tuesday		Polygons and triangles	U427
		Wednesday		Generalising angles in polygons (Part 1)	U427
		Thursday		Finding missing angles in polygons	U427
		Friday		Exterior angles	U427
25/3/2024	B	Monday		Regular interior and exterior angles (and mean of irregular)	U427
		Tuesday		Find the number of sides when given the sum of interior angles	U427
		Wednesday		Find missing angles when two or more polygons are joined	U427
		Thursday		Angle notation and problem solving	U427
		Friday			