

Remote Curriculum

Year 10 – Mathematics: Sets 4 and 5.

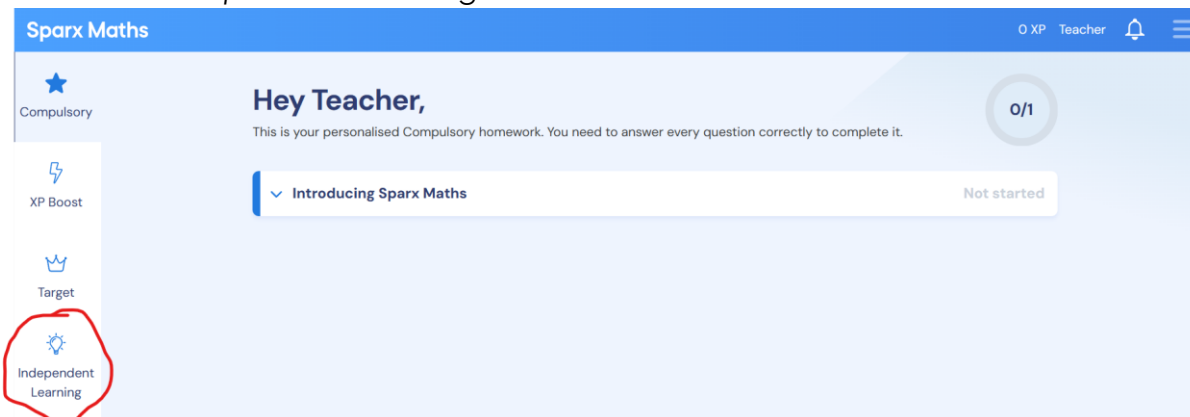
How it Works:

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	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	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		Use inverse functions to find an angle Oak National Academy (thenational.academy)	U545
22/04/24	Monday	Probability	Use the language of probability and the probability scale Oak National Academy (thenational.academy)	U803
	Tuesday		Calculate probabilities from equally likely events Oak National Academy (thenational.academy)	U510
	Wednesday		Find the probability of an event not happening including using a table (include mutually exclusive and exhaustive) Oak National Academy (thenational.academy)	U683
	Thursday		Find the predicted number of outcomes Oak National Academy (thenational.academy)	U166
	Friday		List outcomes in a sample space diagram (two-way table) and calculate probabilities Oak National Academy (thenational.academy)	U104

29/04/24	Monday		Calculate experimental probabilities and make predictions (relative frequency) Oak National Academy (thenational.academy)	U580
	Tuesday		Find probabilities from Venn diagrams including basic set notation Oak National Academy (thenational.academy)	U476
	Wednesday		Find probabilities from frequency trees Oak National Academy (thenational.academy)	U280
	Thursday		Draw a tree diagram for independent events Oak National Academy (thenational.academy)	U558
	Friday		Calculate probabilities of dependent events Oak National Academy (thenational.academy)	U729
06/05/24	Monday		Use the language of probability and the probability scale Oak National Academy (thenational.academy)	U803
	Tuesday		Calculate probabilities from equally likely events Oak National Academy (thenational.academy)	U510
	Wednesday		Find the probability of an event not happening including using a table (include mutually exclusive and exhaustive) Oak National Academy (thenational.academy)	U683
	Thursday		Find the predicted number of outcomes Oak National Academy (thenational.academy)	U166
	Friday		List outcomes in a sample space diagram (two-way table) and calculate probabilities Oak National Academy (thenational.academy)	U104
13/05/24	Monday		Simplify Expressions by Collecting Like Terms Oak National Academy (thenational.academy)	U105
	Tuesday		Simplify Expressions by Multiplying Terms Oak National Academy (thenational.academy)	U662
	Wednesday		Expand a Term over a Single Bracket Oak National Academy (thenational.academy)	U179

	Thursday	Algebra	Expand a Term over a Single Bracket including Powers Oak National Academy (thenational.academy)	U179
	Friday		https://classroom.thenational.academy/units/solving-equations-1-one-step-two-step-and-brackets-2ba6	U775
20/05/24	Monday	Algebra	Solving two-step equations Oak National Academy (thenational.academy)	U325
	Tuesday		Solving equations with brackets Oak National Academy (thenational.academy)	U325
	Wednesday		Solving equations with unknown on both sides Oak National Academy (thenational.academy)	U870
	Thursday		Substitute a positive term into a formula Oak National Academy (thenational.academy)	U201
	Friday		Substitute a negative term into a formula Oak National Academy (thenational.academy)	U585
03/06/24	Monday	Quadratic Equations	Expand a Term over a Single Bracket Oak National Academy (thenational.academy)	U179
	Tuesday		Expand a Term over a Single Bracket including Powers Oak National Academy (thenational.academy)	U179
	Wednesday		Expand 2 brackets and simplify expressions (Part 1) Oak National Academy (thenational.academy)	U179
	Thursday		Factorise Single Brackets: Factor a number and a letter Oak National Academy (thenational.academy)	U768
	Friday		Factorising single brackets (more complicated expressions) Oak National Academy (thenational.academy)	U365
10/06/24	Monday		Expand and simplify double brackets Oak National Academy (thenational.academy)	U768

	Tuesday		Expand and Simplify Double Brackets (Coefficient of x Greater than 1) Oak National Academy (thenational.academy)	U768
	Wednesday		Factorise a quadratic Oak National Academy (thenational.academy)	U178
	Thursday		Factorise a quadratic (difference of two squares) Oak National Academy (thenational.academy)	U963
	Friday		Solve a quadratic equation by factorising Oak National Academy (thenational.academy)	U228
17/06/24	Monday	Quadratic Graphs	Draw graphs of the form $y=mx+c$ by using a table of values Oak National Academy (thenational.academy)	U741
	Tuesday		Plot simple quadratic equations Oak National Academy (thenational.academy)	U989
	Wednesday		Plot other quadratic equations Oak National Academy (thenational.academy)	U989
	Thursday		Solving Quadratic Equations Graphically Oak National Academy (thenational.academy)	U601
	Friday		Identify and interpret roots, intercepts and turning points of quadratic graphs Oak National Academy (thenational.academy)	U667
24/06/24	Monday	Perimeter, Area and Volume	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
01/07/24	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	Volume of Cubes and Cuboids Oak National Academy (thenational.academy)	U786
	Friday	Finding the Volume of Triangular Prisms Oak National Academy (thenational.academy)	U174
15/07/24	Monday	Find the volume of a cylinder Oak National Academy (thenational.academy)	U915
	Tuesday	Volume of a cylinder problems Oak National Academy (thenational.academy)	U915
	Wednesday	Surface area of a cylinder Oak National Academy (thenational.academy)	U464
	Thursday	Volume and surface area of a cone Oak National Academy (thenational.academy)	U116
	Friday	Volume and surface area of a sphere Oak National Academy (thenational.academy)	U617