

# Remote Curriculum

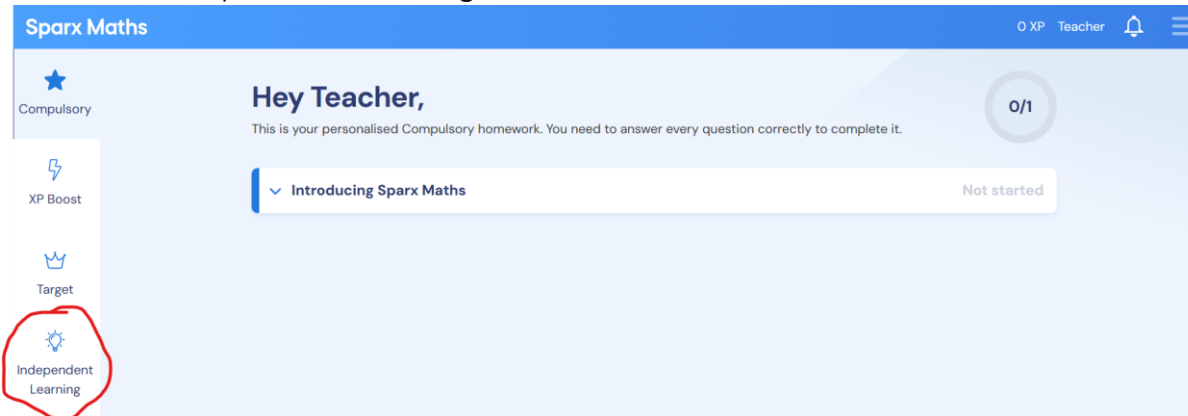
## Year 9 - Mathematics

### How it Works:

1. Find the correct week commencing row.
2. Find today's day -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.
3. Complete any starter quizzes.
  - b. Write your answer down
  - c. Mark your answers and write down any corrections
4. Watch the videos and take notes.
5. Pause if/ when instructed to do so to answer questions or respond.
6. Complete and go onto the Sparx independent task as shown below. If you have already done the Sparx task, there is a worksheet on the web link with the video that can be completed.

*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 KS3'.*

*Students in 9MMa4 and 9MMa5 should be completing questions at Levels 1-2 and students in 9MMa1, 9MMa2 and 9MMa3 should complete questions at Level 3 and 4. (If there are no questions available at this level, please select level where there are questions). If the code begins with a 'Q', you should change your 'Curriculum' to 'Fundamentals'.*

# 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.
09/09/24	Monday	Geometrical Properties: Similarity and Pythagoras' theorem	<a href="#">Lesson: Checking understanding of similarity   KS3 Maths   Oak National Academy (thenational.academy)</a>	M377
	Tuesday		<a href="#">Lesson: Checking understanding of congruence   KS3 Maths   Oak National Academy (thenational.academy)</a>	M124
	Wednesday		<a href="#">Lesson: Similarity in shapes   KS3 Maths   Oak National Academy (thenational.academy)</a>	M324
	Thursday		<a href="#">Lesson: Congruence in shapes   KS3 Maths   Oak National Academy (thenational.academy)</a>	M124
	Friday		<a href="#">Lesson: Congruent, similar or neither   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
16/09/24	Monday		<a href="#">Lesson: Rotational symmetry   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Tuesday		<a href="#">Lesson: Congruent triangles (SSS)   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Wednesday		<a href="#">Lesson: Congruent triangles (SAS)   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Thursday		<a href="#">Lesson: Congruent triangles (RHS)   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Friday		<a href="#">Lesson: Applying the criteria for congruence   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.

23/09/24	Monday	<a href="#">Lesson: Demonstrating Pythagoras' theorem   KS3 Maths   Oak National Academy (thenational.academy)</a>	M677
	Tuesday	<a href="#">Lesson: Length of the hypotenuse   KS3 Maths   Oak National Academy (thenational.academy)</a>	M677
	Wednesday	<a href="#">Lesson: Length of a shorter side   KS3 Maths   Oak National Academy (thenational.academy)</a>	M677
	Thursday	<a href="#">Lesson: Determining which side   KS3 Maths   Oak National Academy (thenational.academy)</a>	M677
	Friday	<a href="#">Lesson: Pythagoras' theorem in context   KS3 Maths   Oak National Academy (thenational.academy)</a>	M677
30/09/24	Monday	<a href="#">Lesson: Pythagoras' theorem in context   KS3 Maths   Oak National Academy (thenational.academy)</a>	M480
	Tuesday	<a href="#">Lesson: Use Pythagoras' theorem to show that a triangle is right-angled   Foundation   KS4 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Wednesday	<a href="#">Lesson: Use Pythagoras' Theorem to find the length of a line segment   Foundation   KS4 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Thursday	<a href="#">Lesson: Use Pythagoras' Theorem with Isosceles Triangles   Foundation   KS4 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Friday	<a href="#">Lesson: Apply Pythagoras' Theorem to two triangles   Foundation   KS4 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.

07/10/24	Monday	Probability	<a href="#">Lesson: Equally likely outcomes   KS3 Maths   Oak National Academy (thenational.academy)</a>	M941
	Tuesday		<a href="#">Lesson: Non-equally likely outcomes   KS3 Maths   Oak National Academy (thenational.academy)</a>	M938
	Wednesday		<a href="#">Lesson: The scale of likelihoods   KS3 Maths   Oak National Academy (thenational.academy)</a>	M655
	Thursday		<a href="#">Lesson: Experiments to determine how likely an outcome is   KS3 Maths   Oak National Academy (thenational.academy)</a>	M332
	Friday		<a href="#">Lesson: Using lists to display outcomes for two events   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
14/10/24	Monday		<a href="#">Lesson: Using two-way tables to display outcomes for two events   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Tuesday		<a href="#">Lesson: Calculating theoretical probabilities from two-way tables (two events)   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Wednesday		<a href="#">Lesson: Using an outcome tree to display outcomes for two events   KS3 Maths   Oak National Academy (thenational.academy)</a>	M299
	Thursday		<a href="#">Lesson: Using a Venn diagram to display outcomes for two events   KS3 Maths   Oak National Academy (thenational.academy)</a>	M829
	Friday		<a href="#">Lesson: Comparing representations of outcomes for two events   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.

21/10/24	Monday
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04/11/24	Monday
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<a href="#">Lesson: Problem solving with possible outcomes   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
<a href="#">Lesson: Checking listing possible outcomes   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
<a href="#">Lesson: The probability scale   KS3 Maths   Oak National Academy (thenational.academy)</a>	M655
<a href="#">Lesson: Calculating theoretical probabilities from lists (one event)   KS3 Maths   Oak National Academy (thenational.academy)</a>	M755
<a href="#">Lesson: Calculating theoretical probabilities from a table (one event)   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
<a href="#">Lesson: Calculating theoretical probabilities from probability tree diagrams (one event)   KS3 Maths   Oak National Academy (thenational.academy)</a>	M299
<a href="#">Lesson: Calculating theoretical probabilities from Venn diagrams (one event)   KS3 Maths   Oak National Academy (thenational.academy)</a>	M419
<a href="#">Lesson: Comparing multiple representations to calculate theoretical probabilities   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
<a href="#">Lesson: Summing probabilities   KS3 Maths   Oak National Academy (thenational.academy)</a>	M755
<a href="#">Lesson: Calculating theoretical probabilities from two-way tables (two events)   KS3 Maths   Oak National Academy (thenational.academy)</a>	M718

11/11/24	Monday	<a href="#">Lesson: Problem solving with possible outcomes   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Tuesday	<a href="#">Lesson: Checking listing possible outcomes   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Wednesday	<a href="#">Lesson: The probability scale   KS3 Maths   Oak National Academy (thenational.academy)</a>	M655
	Thursday	<a href="#">Lesson: Calculating theoretical probabilities from lists (one event)   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Friday	<a href="#">Lesson: Calculating theoretical probabilities from a table (one event)   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
18/11/24	Monday	<a href="#">Lesson: Calculating theoretical probabilities from probability tree diagrams (one event)   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Tuesday	<a href="#">Lesson: Calculating theoretical probabilities from Venn diagrams (one event)   KS3 Maths   Oak National Academy (thenational.academy)</a>	M419
	Wednesday	<a href="#">Lesson: Comparing multiple representations to calculate theoretical probabilities   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Thursday	<a href="#">Lesson: Summing probabilities   KS3 Maths   Oak National Academy (thenational.academy)</a>	M755
	Friday	<a href="#">Lesson: Calculating theoretical probabilities from two-way tables (two events)   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.

25/11/24	Monday	Non Linear Relationships	<a href="#">Lesson: Checking understanding of arithmetic sequences   KS3 Maths   Oak National Academy (thenational.academy)</a>	M381
	Tuesday		<a href="#">Lesson: Securing understanding of arithmetic sequences   KS3 Maths   Oak National Academy (thenational.academy)</a>	M381
	Wednesday		<a href="#">Lesson: Features of geometric sequences   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Thursday		<a href="#">Lesson: Features of special number sequences   KS3 Maths   Oak National Academy (thenational.academy)</a>	M981
	Friday		<a href="#">Lesson: Extrapolating a sequence   KS3 Maths   Oak National Academy (thenational.academy)</a>	M991
02/12/24	Monday	Recap: Percentages and Proportionality	<a href="#">Lesson: Problem solving with non-linear relationships   KS3 Maths   Oak National Academy (thenational.academy)</a>	M241
	Tuesday		<a href="#">Lesson: Checking understanding of percentages   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Wednesday		<a href="#">Lesson: Securing understanding of percentages   KS3 Maths   Oak National Academy (thenational.academy)</a>	M695
	Thursday		<a href="#">Lesson: Multiplicative relationships presented graphically   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Friday		<a href="#">Lesson: Scaling diagrams for multiplicative relationships   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.



09/12/24	Monday	<a href="#">Lesson: Expressing one number as a percentage of another   KS3 Maths   Oak National Academy (thenational.academy)</a>	M235
	Tuesday	<a href="#">Lesson: Finding a percentage with a multiplier   KS3 Maths   Oak National Academy (thenational.academy)</a>	M684
	Wednesday	<a href="#">Lesson: Increase by a percentage   KS3 Maths   Oak National Academy (thenational.academy)</a>	M476
	Thursday	<a href="#">Lesson: Decrease by a percentage   KS3 Maths   Oak National Academy (thenational.academy)</a>	M533
	Friday	<a href="#">Lesson: Finding the original amount after an increase   KS3 Maths   Oak National Academy (thenational.academy)</a>	M528
16/12/24	Monday	<a href="#">Lesson: Finding the original amount after a decrease   KS3 Maths   Oak National Academy (thenational.academy)</a>	M528
	Tuesday	<a href="#">Lesson: Finding the percentage change   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Wednesday	<a href="#">Lesson: Direct proportion in context   KS3 Maths   Oak National Academy (thenational.academy)</a>	M478
	Thursday	<a href="#">Lesson: Inverse proportion in context   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.
	Friday	<a href="#">Lesson: Problem solving with percentages and proportionality   KS3 Maths   Oak National Academy (thenational.academy)</a>	Complete the worksheet from the link on the left.