

HIGHER GCSE

2 Year Course

Grades 4 - 9

(BLUE topics are approx. grades 4/5 & PURPLE topics are approx. grades 6 - 9)

1 - 3 lessons per week (term-time only)

(dates of holidays may vary depending on county)



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Have any questions? Email me: hello@teachusmaths.com

Instructions

1. On the 2-year timetable (slides 7 – 8), click on the link for the relevant **week**

YEAR 1	<u>Autumn Term 1</u>	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
		N 1.6	N 4.3	N 5.3	N 7.5	N 7.7	N 9.1	N 8.2	N 8.3
		N 1.7	N 4.4		N 7.6	N 7.4	N 9.2	A 3.7	
		N 1.8							
	<u>Autumn Term 2</u>	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	
		A 4.1	N 10.1	N 10.2	A 3.6	A 3.12	A 4.2	A 4.3	
		A 5.1			A 3.11	A 3.13	A 4.8	A 4.9	
	<u>Spring Term 1</u>	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21		
		A 4.10	A 4.4	A 4.12	A 11.1	A 11.2	A 10.1		
			A 4.11	A 4.13		A 11.3	A 10.2		
	<u>Spring Term 2</u>	Week 22	Week 23	Week 24	Week 25	Week 26			
		A 10.3	A 7.1	A 7.4	A 7.3	A 8.1			
			A 7.2			A 8.2			
	<u>Summer Term 1</u>	Week 27	Week 28	Week 29	Week 30	Week 31	Week 32		
		A 9.1	A 9.2	A 13.1	A 12.1	A 2.3	A 2.4		
						A 2.6	A 2.5		
	<u>Summer Term 2</u>	Week 33	Week 34	Week 35	Week 36	Week 37	Week 38	Week 39	
		A 1.2	A 2.7	A 4.5	A 5.2	A 6.2	A 6.4	A 4.7	
		A 1.3		A 4.6	A 6.3	A 6.1			

Top Tip!
Regularly make time to revisit previous topics to check that you are confident.
Also, have a go at lots of past exam papers.

Before completing this 2-year Higher GCSE course, it is recommended that you check that you are confident with the GREEN topics (approx. grades 1-3).

Instructions

2. Click on the link for the **slideshow lesson**

Year 1

WEEK 1

Lesson 1

N 1.6 Prime Numbers & Prime Factor Decomposition

Slideshow lesson	Accompanying worksheet
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Lesson 2

N 1.7 Factors & Highest Common Factor (HCF)

Slideshow lesson	Accompanying worksheet
----------------------------------	--

Lesson 3

N 1.8 Multiples & Lowest Common Multiple (LCM)

Slideshow lesson	Accompanying worksheet
----------------------------------	--



Slide 1

Contents

Slides 2 & 3

Core skills **starter task** and their solutions

Slide 4

Notes page (these questions are completed in the video) with a link to the **detailed pre-recorded video**

Slide 5

Annotated notes page (as completed in the video)

Slides 6 & 7

'I'm giving it a try'

The first, and most straightforward, of the 3 **tasks**, and their solutions

Slides 8 & 9

'I'm building my confidence'

The second, and slightly more difficult, of the 3 **tasks**, and their solutions

Slides 10 & 11

'I'm ready for anything'

The third, and most challenging, of the 3 **tasks**, and their solutions

Slides 12 & 13

Extension task and their solutions

This task could be a problem-solving task, a puzzle, or an open-ended task, an exam-style question, a real-life context (bigger picture) question, or a task that interleaves the topic being learnt with other areas of Mathematics.

Slides 14 & 15

Homework task and their solutions

This task includes some core skills questions, as well as questions relating to the lesson.

Instructions

3. Click on the link for the [accompanying worksheet](#)

Year 1

WEEK 1

Lesson 1

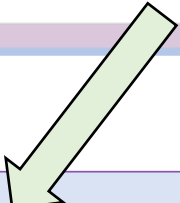
N 1.6 Prime Numbers & Prime Factor Decomposition	
Slideshow lesson	Accompanying worksheet

Lesson 2

N 1.7 Factors & Highest Common Factor (HCF)	
Slideshow lesson	Accompanying worksheet

Lesson 3

N 1.8 Multiples & Lowest Common Multiple (LCM)	
Slideshow lesson	Accompanying worksheet



A printer-friendly version of the notes page, 3 tasks, extension task, homework task and solutions.

Page 1

[Notes page](#) (these questions are completed in the video) with a QR code link to the [detailed pre-recorded video](#)

Page 2

[‘I’m giving it a try’](#)

The first, and most straightforward, of the 3 [tasks](#)

Page 3

[‘I’m building my confidence’](#)

The second, and slightly more difficult, of the 3 [tasks](#)

Page 4

[‘I’m ready for anything’](#)

The third, and most challenging, of the 3 [tasks](#)

Page 5

[Extension task](#)

This task could be a problem-solving task, a puzzle, or an open-ended task, an exam-style question, a real-life context (bigger picture) question, or a task that interleaves the topic being learnt with other areas of Mathematics.

Pages 6 & 7

[Homework task](#)

This task includes some core skills questions, as well as questions relating to the lesson.

Page 8+

[Solutions](#)

Instructions

4. Repeat for **each topic** that needs to be covered that week.

Year 1

WEEK 1

Lesson 1

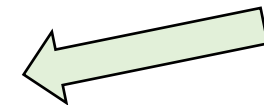
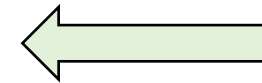
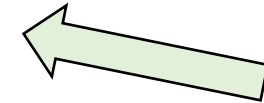
N 1.6 Prime Numbers & Prime Factor Decomposition	
Slideshow lesson	Accompanying worksheet

Lesson 2

N 1.7 Factors & Highest Common Factor (HCF)	
Slideshow lesson	Accompanying worksheet

Lesson 3

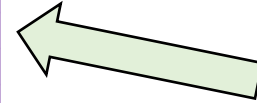
N 1.8 Multiples & Lowest Common Multiple (LCM)	
Slideshow lesson	Accompanying worksheet



Instructions

5. At the very end of the document (slide 90 onwards) you will find a lesson **record**.

YEAR 1 - Autumn Term 1		
Week 1	N 1.6 Prime Numbers & Prime Factor Decomposition	☆☆☆
	N 1.7 Factors & Highest Common Factor (HCF)	☆☆☆
	N 1.8 Multiples & Lowest Common Multiple (LCM)	☆☆☆
Week 2	N 4.3 Ordering Fractions	☆☆☆
	N 4.4 Adding & Subtracting Fractions	☆☆☆
Week 3	N 5.3 Recurring Decimals	☆☆☆
Week 4	N 7.5 Estimation	☆☆☆
	N 7.6 Error Intervals	☆☆☆
Week 5	N 7.7 Calculating with Upper & Lower Bounds	☆☆☆
	N 7.4 Truncating	☆☆☆
Week 6	N 9.1 Standard Form	☆☆☆
	N 9.2 Calculating with Standard Form	☆☆☆
Week 7	N 8.2 Laws of Indices	☆☆☆
	A 3.7 Laws of Indices (Algebra)	☆☆☆
Week 8	N 8.3 Fractional Indices	☆☆☆



Print it out and keep a record of how confident you feel with each topic by shading the stars and using the space to make notes.

2 Year Timetable

YEAR 1

<u>Autumn Term 1</u>	<u>Week 1</u>	<u>Week 2</u>	<u>Week 3</u>	<u>Week 4</u>	<u>Week 5</u>	<u>Week 6</u>	<u>Week 7</u>	<u>Week 8</u>	
	N 1.6	N 4.3	N 5.3	N 7.5	N 7.7	N 9.1	N 8.2	N 8.3	
	N 1.7	N 4.4		N 7.6	N 7.4	N 9.2	A 3.7		
	N 1.8								
<u>Autumn Term 2</u>	<u>Week 9</u>	<u>Week 10</u>	<u>Week 11</u>	<u>Week 12</u>	<u>Week 13</u>	<u>Week 14</u>	<u>Week 15</u>		
	A 4.1	N 10.1	N 10.2	A 3.6	A 3.12	A 4.2	A 4.3		
	A 5.1			A 3.11	A 3.13	A 4.8	A 4.9		
<u>Spring Term 1</u>	<u>Week 16</u>	<u>Week 17</u>	<u>Week 18</u>	<u>Week 19</u>	<u>Week 20</u>	<u>Week 21</u>	Top Tip! Regularly make time to revisit previous topics to check that you are confident. Also, have a go at lots of past exam papers.		
	A 4.10	A 4.4	A 4.12	A 11.1	A 11.2	A 10.1			
		A 4.11	A 4.13		A 11.3	A 10.2			
<u>Spring Term 2</u>	<u>Week 22</u>	<u>Week 23</u>	<u>Week 24</u>	<u>Week 25</u>	<u>Week 26</u>				
	A 10.3	A 7.1	A 7.4	A 7.3	A 8.1				
		A 7.2			A 8.2				
<u>Summer Term 1</u>	<u>Week 27</u>	<u>Week 28</u>	<u>Week 29</u>	<u>Week 30</u>	<u>Week 31</u>	<u>Week 32</u>			
	A 9.1	A 9.2	A 13.1	A 12.1	A 2.3	A 2.4			
					A 2.6	A 2.5			
<u>Summer Term 2</u>	<u>Week 33</u>	<u>Week 34</u>	<u>Week 35</u>	<u>Week 36</u>	<u>Week 37</u>	<u>Week 38</u>	<u>Week 39</u>		
	A 1.2	A 2.7	A 4.5	A 5.2	A 6.2	A 6.4	A 4.7		
	A 1.3		A 4.6	A 6.3	A 6.1				

Top Tip!
Regularly make time to revisit previous topics to check that you are confident.
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YEAR 2

<u>Autumn Term 1</u>	<u>Week 1</u>	<u>Week 2</u>	<u>Week 3</u>	<u>Week 4</u>	<u>Week 5</u>	<u>Week 6</u>	<u>Week 7</u>	<u>Week 8</u>
	A 6.5	R 4.2	R 4.5	R 1.3	R 2.2	R 2.4	N 6.5	N 6.7
		R 4.4		R 1.4	R 2.3		N 6.6	
<u>Autumn Term 2</u>	<u>Week 9</u>	<u>Week 10</u>	<u>Week 11</u>	<u>Week 12</u>	<u>Week 13</u>	<u>Week 14</u>	<u>Week 15</u>	
	G 5.3	R 3.2	G 12.1	G 8.1	G 9.4	G 3.2	G 4.1	
		R 3.3	G 12.2	G 8.2	G 9.5	G 3.4	G 4.2	
<u>Spring Term 1</u>	<u>Week 16</u>	<u>Week 17</u>	<u>Week 18</u>	<u>Week 19</u>	<u>Week 20</u>	<u>Week 21</u>		
	G 4.4	G 7.2	G 10.1	G 10.3	G 10.5	G 10.6		
	G 7.1	G 6.6	G 10.2	G 10.4		G 10.7		
<u>Spring Term 2</u>	<u>Week 22</u>	<u>Week 23</u>	<u>Week 24</u>	<u>Week 25</u>	<u>Week 26</u>			
	G 11.1	P 2.1	P 1.2	P 2.2	P 2.3			
		P 2.4						
<u>Summer Term 1</u>	<u>Week 27</u>	<u>Week 28</u>	<u>Week 29</u>	<u>Week 30</u>	<u>Week 31</u>	<u>Week 32</u>		
	S 1.2	S 3.8	S 3.9	S 3.6	GCSEs			
	S 2.2	S 3.7		N 11.1				
<u>Summer Term 2</u>	<u>Week 33</u>	<u>Week 34</u>	<u>Week 35</u>	<u>Week 36</u>	<u>Week 37</u>	<u>Week 38</u>	<u>Week 39</u>	
	GCSEs							

Top Tip!
Regularly make time to revisit previous topics to check that you are confident.
Also, have a go at lots of past exam papers.

Year 1

Autumn Term 1

WEEK 1

Lesson 1

N 1.6 Prime Numbers & Prime Factor Decomposition

[Slideshow lesson](#)[Accompanying worksheet](#)

Lesson 2

N 1.7 Factors & Highest Common Factor (HCF)

[Slideshow lesson](#)[Accompanying worksheet](#)

Lesson 3

N 1.8 Multiples & Lowest Common Multiple (LCM)

[Slideshow lesson](#)[Accompanying worksheet](#)

WEEK 2

Lesson 1

N 4.3 Ordering Fractions	
Slideshow lesson	Accompanying worksheet

Lesson 2

N 4.4 Adding & Subtracting Fractions	
Slideshow lesson	Accompanying worksheet

WEEK 3

Lesson 1

N 5.3 Recurring Decimals

[Slideshow lesson](#)

[Accompanying worksheet](#)

WEEK 4

Lesson 1

N 7.5 Estimation	
Slideshow lesson	Accompanying worksheet

Lesson 2

N 7.6 Error Intervals	
Slideshow lesson	Accompanying worksheet

WEEK 5

Lesson 1

N 7.7 Calculating with Upper & Lower Bounds	
Slideshow lesson	Accompanying worksheet

Lesson 2

N 7.4 Truncating	
Slideshow lesson	Accompanying worksheet

WEEK 6

Lesson 1

N 9.1 Standard Form

[Slideshow lesson](#)[Accompanying worksheet](#)

Lesson 2

N 9.2 Calculating with Standard Form

[Slideshow lesson](#)[Accompanying worksheet](#)

WEEK 7

Lesson 1

N 8.2 Laws of Indices	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 3.7 Laws of Indices (Algebra)	
Slideshow lesson	Accompanying worksheet

WEEK 8

Lesson 1

N 8.3 Fractional Indices

[Slideshow lesson](#)

[Accompanying worksheet](#)

Year 1

Autumn Term 2

WEEK 9

Lesson 1

A 4.1 Expanding Double Brackets	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 5.1 Expanding Triple Brackets	
Slideshow lesson	Accompanying worksheet

WEEK 10

Lesson 1

N 10.1 Surds

[Slideshow lesson](#)

[Accompanying worksheet](#)



WEEK 11

Lesson 1

N 10.2 Rationalising the Denominator

[Slideshow lesson](#)

[Accompanying worksheet](#)

WEEK 12

Lesson 1

A 3.6 Factorising into Single Brackets	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 3.11 Solving Linear Equations (with the unknown on both sides)	
Slideshow lesson	Accompanying worksheet

WEEK 13

Lesson 1

A 3.12 Changing the Subject	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 3.13 Changing the Subject (Advanced)	
Slideshow lesson	Accompanying worksheet

WEEK 14

Lesson 1

A 4.2 Factorising Quadratics	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 4.8 Solving Quadratics - Factorising	
Slideshow lesson	Accompanying worksheet

WEEK 15

Lesson 1

A 4.3 Factorising Quadratics (Advanced)	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 4.9 Solving Quadratics – Factorising (Advanced)	
Slideshow lesson	Accompanying worksheet

Year 1

Spring Term 1

WEEK 16

Lesson 1

A 4.10 Solving Quadratics – Quadratic Formula

[Slideshow lesson](#)

[Accompanying worksheet](#)

WEEK 17

Lesson 1

A 4.4 Completing the Square	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 4.11 Solving Quadratics – Completing the Square	
Slideshow lesson	Accompanying worksheet

WEEK 18

Lesson 1

A 4.12 Solving Quadratics – All Methods

[Slideshow lesson](#)

[Accompanying worksheet](#)

Lesson 2

A 4.13 Sketching Quadratic Graphs

[Slideshow lesson](#)

[Accompanying worksheet](#)

WEEK 19

Lesson 1

A 11.1 Algebraic Fractions - Simplify

[Slideshow lesson](#)

[Accompanying worksheet](#)

WEEK 20

Lesson 1

A 11.2 Algebraic Fractions - Add/Subtract

[Slideshow lesson](#)

[Accompanying worksheet](#)

Lesson 2

A 11.3 Algebraic Fractions - Multiply/Divide

[Slideshow lesson](#)

[Accompanying worksheet](#)

WEEK 21

Lesson 1

A 10.1 Linear Sequences	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 10.2 Quadratic Sequences	
Slideshow lesson	Accompanying worksheet

Year 1

Spring Term 2

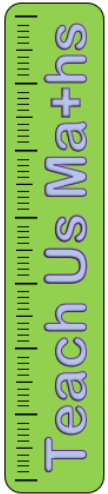
WEEK 22

Lesson 1

A 10.3 Geometric & Fibonacci Sequences

[Slideshow lesson](#)

[Accompanying worksheet](#)



WEEK 23

Lesson 1

A 7.1 Inequalities on a Number Line

[Slideshow lesson](#)

[Accompanying worksheet](#)

Lesson 2

A 7.2 Solving Linear Inequalities

[Slideshow lesson](#)

[Accompanying worksheet](#)

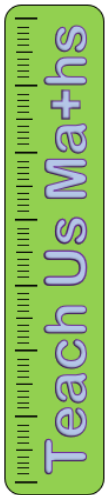
WEEK 24

Lesson 1

A 7.4 Solving Quadratic Inequalities

[Slideshow lesson](#)

[Accompanying worksheet](#)



WEEK 25

Lesson 1

A 7.3 Solving Linear Inequalities Graphically

[Slideshow lesson](#)

[Accompanying worksheet](#)

WEEK 26

Lesson 1

A 8.1 Trial & Improvement	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 8.2 Iteration	
Slideshow lesson	Accompanying worksheet

Year 1

Summer Term 1

WEEK 27

Lesson 1

A 9.1 Simultaneous Equations - Linear

[Slideshow lesson](#)

[Accompanying worksheet](#)

WEEK 28

Lesson 1

A 9.2 Simultaneous Equations – Non-Linear

[Slideshow lesson](#)

[Accompanying worksheet](#)

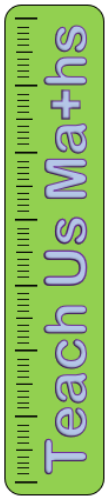
WEEK 29

Lesson 1

A 13.1 Algebraic Proof

[Slideshow lesson](#)

[Accompanying worksheet](#)



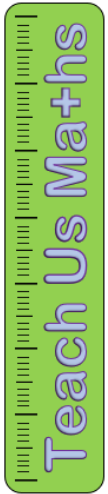
WEEK 30

Lesson 1

A 12.1 Functions

[Slideshow lesson](#)

[Accompanying worksheet](#)



WEEK 31

Lesson 1

A 2.3 Equations of Linear Graphs ($y=mx+c$)

[Slideshow lesson](#)

[Accompanying worksheet](#)

Lesson 2

A 2.6 Using Gradients and Co-ordinates to find $y=mx+c$

[Slideshow lesson](#)

[Accompanying worksheet](#)

WEEK 32

Lesson 1

A 2.4 Using $y=mx+c$ to Draw Linear Graphs

[Slideshow lesson](#)

[Accompanying worksheet](#)

Lesson 2

A 2.5 Using $y=mx+c$ to Solve Problems

[Slideshow lesson](#)

[Accompanying worksheet](#)

Year 1

Summer Term 2

WEEK 33

Lesson 1

A 1.2 Midpoint of a Line	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 1.3 3D Co-ordinates	
Slideshow lesson	Accompanying worksheet

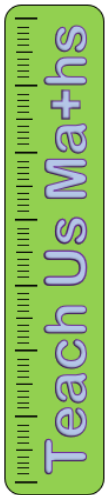
WEEK 34

Lesson 1

A 2.7 Parallel & Perpendicular Lines

[Slideshow lesson](#)

[Accompanying worksheet](#)



WEEK 35

Lesson 1

A 4.5 Plotting Quadratic Graphs	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 4.6 Solving Quadratics - Graphically	
Slideshow lesson	Accompanying worksheet

WEEK 36

Lesson 1

A 5.2 Cubic Graphs	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 6.3 Equations of Tangents to Circles	
Slideshow lesson	Accompanying worksheet

WEEK 37

Lesson 1

A 6.2 Exponential Graphs	
Slideshow lesson	Accompanying worksheet

Lesson 2

A 6.1 Reciprocal Graphs	
Slideshow lesson	Accompanying worksheet

WEEK 38

Lesson 1

A 6.4 Trigonometric Graphs

[Slideshow lesson](#)

[Accompanying worksheet](#)

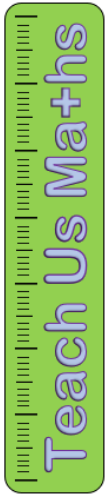
WEEK 39

Lesson 1

A 4.7 Solving Quadratics – Graphically (Advanced)

[Slideshow lesson](#)

[Accompanying worksheet](#)



Year 2

Autumn Term 1

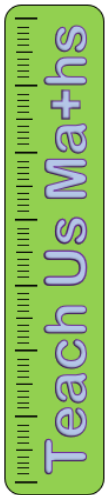
WEEK 1

Lesson 1

A 6.5 Transformations of Graphs

[Slideshow lesson](#)

[Accompanying worksheet](#)



WEEK 2

Lesson 1

R 4.2 Other Real-Life Graphs

[Slideshow lesson](#)[Accompanying worksheet](#)

Lesson 2

R 4.4 Speed – Time Graphs (Straight Lines)

[Slideshow lesson](#)[Accompanying worksheet](#)

WEEK 3

Lesson 1

R 4.5 Speed-Time Graphs (Curves)

[Slideshow lesson](#)

[Accompanying worksheet](#)

WEEK 4

Lesson 1

R 1.3 Sharing in a Ratio	
Slideshow lesson	Accompanying worksheet

Lesson 2

R 1.4 Ratio Problems	
Slideshow lesson	Accompanying worksheet

WEEK 5

Lesson 1

R 2.2 Direct & Inverse Proportion	
Slideshow lesson	Accompanying worksheet

Lesson 2

R 2.3 Direct Proportion (Algebra)	
Slideshow lesson	Accompanying worksheet

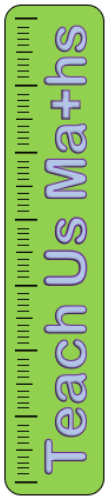
WEEK 6

Lesson 1

R 2.4 Inverse Proportion (Algebra)

[Slideshow lesson](#)

[Accompanying worksheet](#)



WEEK 7

Lesson 1

N 6.5 Percentage Change	
Slideshow lesson	Accompanying worksheet

Lesson 2

N 6.6 Reverse Percentages	
Slideshow lesson	Accompanying worksheet

WEEK 8

Lesson 1

N 6.7 Compound Interest

[Slideshow lesson](#)

[Accompanying worksheet](#)

Year 2

Autumn Term 2

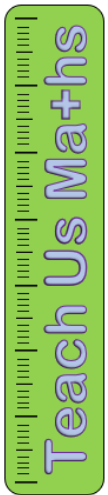
WEEK 9

Lesson 1

G 5.3 Converting Units – Area / Volume

[Slideshow lesson](#)

[Accompanying worksheet](#)



WEEK 10

Lesson 1

R 3.2 Density	
Slideshow lesson	Accompanying worksheet

Lesson 2

R 3.3 Pressure	
Slideshow lesson	Accompanying worksheet

WEEK 11

Lesson 1

G 12.1 Circle Theorems	
Slideshow lesson	Accompanying worksheet

Lesson 2

G 12.2 Further Circle Theorems	
Note: the video for G 12.1 and G 12.2 is the same	
Slideshow lesson	Accompanying worksheet

WEEK 12

Lesson 1

G 8.1 Congruence	
Slideshow lesson	Accompanying worksheet

Lesson 2

G 8.2 Similarity	
Slideshow lesson	Accompanying worksheet

WEEK 13

Lesson 1

G 9.4 Enlargement	
Slideshow lesson	Accompanying worksheet

Lesson 2

G 9.5 Enlargement (Negative Scale Factors)	
Slideshow lesson	Accompanying worksheet

WEEK 14

Lesson 1

G 3.2 Arc Length

[Slideshow lesson](#)[Accompanying worksheet](#)

Lesson 2

G 3.4 Area of Sectors

[Slideshow lesson](#)[Accompanying worksheet](#)

WEEK 15

Lesson 1

G 4.1 Surface Area – Prisms & Cylinders	
Slideshow lesson	Accompanying worksheet

Lesson 2

G 4.2 Surface Area – Spheres, Pyramids & Cones	
Slideshow lesson	Accompanying worksheet

Year 2

Spring Term 1

WEEK 16

Lesson 1

G 4.4 Volume – Spheres, Pyramids & Cones

[Slideshow lesson](#)[Accompanying worksheet](#)

Lesson 2

G 7.1 Perpendicular Bisector & Angle Bisector

[Slideshow lesson](#)[Accompanying worksheet](#)

WEEK 17

Lesson 1

G 7.2 Loci	
Slideshow lesson	Accompanying worksheet

Lesson 2

G 6.6 Bearings	
Slideshow lesson	Accompanying worksheet

WEEK 18

Lesson 1

G 10.1 Pythagoras' Theorem

[Slideshow lesson](#)[Accompanying worksheet](#)

Lesson 2

G 10.2 Trigonometry - Introduction

[Slideshow lesson](#)[Accompanying worksheet](#)

WEEK 19

Lesson 1

G 10.3 Trigonometry - Further	
Slideshow lesson	Accompanying worksheet

Lesson 2

G 10.4 Trigonometry – Exact Values	
Slideshow lesson	Accompanying worksheet

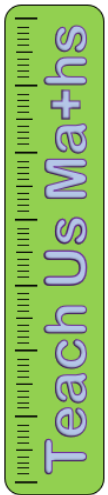
WEEK 20

Lesson 1

G 10.5 Sine Rule

[Slideshow lesson](#)

[Accompanying worksheet](#)



WEEK 21

Lesson 1

G 10.6 Cosine Rule	
Slideshow lesson	Accompanying worksheet

Lesson 2

G 10.7 Area of a Triangle	
Slideshow lesson	Accompanying worksheet

Year 2

Spring Term 2

WEEK 22

Lesson 1

G 11.1 Vectors

[Slideshow lesson](#)

[Accompanying worksheet](#)

WEEK 23

Lesson 1

P 2.1 Listing Outcomes, Sample Spaces & Frequency Trees

[Slideshow lesson](#)

[Accompanying worksheet](#)

Lesson 2

P 2.4 Product Rule for Counting

[Slideshow lesson](#)

[Accompanying worksheet](#)

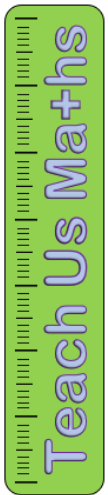
WEEK 24

Lesson 1

P 1.2 Relative Frequency

[Slideshow lesson](#)

[Accompanying worksheet](#)



WEEK 25

Lesson 1

P 2.2 Tree Diagrams

[Slideshow lesson](#)

[Accompanying worksheet](#)



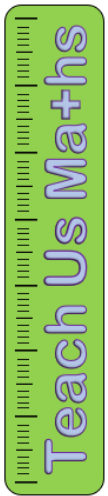
WEEK 26

Lesson 1

P 2.3 Venn Diagrams

[Slideshow lesson](#)

[Accompanying worksheet](#)



Year 2

Summer Term 1

WEEK 27

Lesson 1

S 1.2 Sampling & Capture, Recapture	
Slideshow lesson	Accompanying worksheet

Lesson 2

S 2.2 Averages from a Table	
Slideshow lesson	Accompanying worksheet

WEEK 28

Lesson 1

S 3.8 Box Plots	
Slideshow lesson	Accompanying worksheet

Lesson 2

S 3.7 Cumulative Frequency Diagrams	
Slideshow lesson	Accompanying worksheet

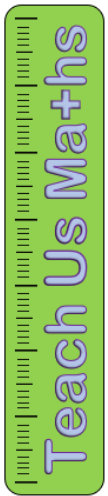
WEEK 29

Lesson 1

S 3.9 Histograms

[Slideshow lesson](#)

[Accompanying worksheet](#)



WEEK 30

Lesson 1

S 3.6 Scatter Graphs

[Slideshow lesson](#)[Accompanying worksheet](#)

Lesson 2

N 11.1 Using a Calculator

[Slideshow lesson](#)[Accompanying worksheet](#)

YEAR 1 - Autumn Term 1

Week 1	N 1.6 Prime Numbers & Prime Factor Decomposition	☆☆☆
	N 1.7 Factors & Highest Common Factor (HCF)	☆☆☆
	N 1.8 Multiples & Lowest Common Multiple (LCM)	☆☆☆
Week 2	N 4.3 Ordering Fractions	☆☆☆
	N 4.4 Adding & Subtracting Fractions	☆☆☆
Week 3	N 5.3 Recurring Decimals	☆☆☆
Week 4	N 7.5 Estimation	☆☆☆
	N 7.6 Error Intervals	☆☆☆
Week 5	N 7.7 Calculating with Upper & Lower Bounds	☆☆☆
	N 7.4 Truncating	☆☆☆
Week 6	N 9.1 Standard Form	☆☆☆
	N 9.2 Calculating with Standard Form	☆☆☆
Week 7	N 8.2 Laws of Indices	☆☆☆
	A 3.7 Laws of Indices (Algebra)	☆☆☆
Week 8	N 8.3 Fractional Indices	☆☆☆

YEAR 1 - Autumn Term 2

Week 9	A 4.1 Expanding Double Brackets	☆☆☆
	A 5.1 Expanding Triple Brackets	☆☆☆
Week 10	N 10.1 Surds	☆☆☆
Week 11	N 10.2 Rationalising the Denominator	☆☆☆
Week 12	A 3.6 Factorising into Single Brackets	☆☆☆
	A 3.11 Solving Linear Equations (with the unknown on both sides)	☆☆☆
Week 13	A 3.12 Changing the Subject	☆☆☆
	A 3.13 Changing the Subject (Advanced)	☆☆☆
Week 14	A 4.2 Factorising Quadratics	☆☆☆
	A 4.8 Solving Quadratics - Factorising	☆☆☆
Week 15	A 4.3 Factorising Quadratics (Advanced)	☆☆☆
	A 4.9 Solving Quadratics – Factorising (Advanced)	☆☆☆

YEAR 1 - Spring Term 1

Week 16	A 4.10 Solving Quadratics – Quadratic Formula	☆☆☆
Week 17	A 4.4 Completing the Square	☆☆☆
	A 4.11 Solving Quadratics – Completing the Square	☆☆☆
Week 18	A 4.12 Solving Quadratics – All Methods	☆☆☆
	A 4.13 Sketching Quadratic Graphs	☆☆☆
Week 19	A 11.1 Algebraic Fractions - Simplify	☆☆☆
Week 20	A 11.2 Algebraic Fractions - Add/Subtract	☆☆☆
	A 11.3 Algebraic Fractions - Multiply/Divide	☆☆☆
Week 21	A 10.1 Linear Sequences	☆☆☆
	A 10.2 Quadratic Sequences	☆☆☆

YEAR 1 - Spring Term 2

Week 22	A 10.3 Geometric & Fibonacci Sequences	☆☆☆
Week 23	A 7.1 Inequalities on a Number Line	☆☆☆
	A 7.2 Solving Linear Inequalities	☆☆☆
Week 24	A 7.4 Solving Quadratic Inequalities	☆☆☆
Week 25	A 7.3 Solving Linear Inequalities Graphically	☆☆☆
Week 26	A 8.1 Trial & Improvement	☆☆☆
	A 8.2 Iteration	☆☆☆

YEAR 1 - Summer Term 1

Week 27	A 9.1 Simultaneous Equations - Linear	☆☆☆
Week 28	A 9.2 Simultaneous Equations – Non-Linear	☆☆☆
Week 29	A 13.1 Algebraic Proof	☆☆☆
Week 30	A 12.1 Functions	☆☆☆
Week 31	A 2.3 Equations of Linear Graphs ($y=mx+c$)	☆☆☆
	A 2.6 Using Gradients and Co-ordinates to find $y=mx+c$	☆☆☆
Week 32	A 2.4 Using $y=mx+c$ to Draw Linear Graphs	☆☆☆
	A 2.5 Using $y=mx+c$ to Solve Problems	☆☆☆

YEAR 1 - Summer Term 2

Week 33	A 1.2 Midpoint of a Line	☆☆☆
	A 1.3 3D Co-ordinates	☆☆☆
Week 34	A 2.7 Parallel & Perpendicular Lines	☆☆☆
Week 35	A 4.5 Plotting Quadratic Graphs	☆☆☆
	A 4.6 Solving Quadratics - Graphically	☆☆☆
Week 36	A 5.2 Cubic Graphs	☆☆☆
	A 6.3 Equations of Tangents to Circles	☆☆☆
Week 37	A 6.2 Exponential Graphs	☆☆☆
	A 6.1 Reciprocal Graphs	☆☆☆
Week 38	A 6.4 Trigonometric Graphs	☆☆☆
Week 39	A 4.7 Solving Quadratics – Graphically (Advanced)	☆☆☆

YEAR 2 - Autumn Term 1

Week 1	A 6.5 Transformations of Graphs	☆☆☆
Week 2	R 4.2 Other Real-Life Graphs	☆☆☆
	R 4.4 Speed – Time Graphs (Straight Lines)	☆☆☆
Week 3	R 4.5 Speed-Time Graphs (Curves)	☆☆☆
Week 4	R 1.3 Sharing in a Ratio	☆☆☆
	R 1.4 Ratio Problems	☆☆☆
Week 5	R 2.2 Direct & Inverse Proportion	☆☆☆
	R 2.3 Direct Proportion (Algebra)	☆☆☆
Week 6	R 2.4 Inverse Proportion (Algebra)	☆☆☆
Week 7	N 6.5 Percentage Change	☆☆☆
	N 6.6 Reverse Percentages	☆☆☆
Week 8	N 6.7 Compound Interest	☆☆☆

YEAR 2 - Autumn Term 2

Week 9	G 5.3 Converting Units – Area / Volume	☆☆☆
Week 10	R 3.2 Density	☆☆☆
	R 3.3 Pressure	☆☆☆
Week 11	G 12.1 Circle Theorems	☆☆☆
	G 12.2 Further Circle Theorems	☆☆☆
Week 12	G 8.1 Congruence	☆☆☆
	G 8.2 Similarity	☆☆☆
Week 13	G 9.4 Enlargement	☆☆☆
	G 9.5 Enlargement (Negative Scale Factors)	☆☆☆
Week 14	G 3.2 Arc Length	☆☆☆
	G 3.4 Area of Sectors	☆☆☆
Week 15	G 4.1 Surface Area – Prisms & Cylinders	☆☆☆
	G 4.2 Surface Area – Spheres, Pyramids & Cones	☆☆☆

YEAR 2 - Spring Term 1

Week 16	G 4.4 Volume – Spheres, Pyramids & Cones	☆☆☆
	G 7.1 Perpendicular Bisector & Angle Bisector	☆☆☆
Week 17	G 7.2 Loci	☆☆☆
	G 6.6 Bearings	☆☆☆
Week 18	G 10.1 Pythagoras' Theorem	☆☆☆
	G 10.2 Trigonometry - Introduction	☆☆☆
Week 19	G 10.3 Trigonometry - Further	☆☆☆
	G 10.4 Trigonometry – Exact Values	☆☆☆
Week 20	G 10.5 Sine Rule	☆☆☆
Week 21	G 10.6 Cosine Rule	☆☆☆
	G 10.7 Area of a Triangle	☆☆☆

YEAR 2 - Spring Term 2

Week 22	G 11.1 Vectors	☆☆☆
Week 23	P 2.1 Listing Outcomes, Sample Spaces & Frequency Trees	☆☆☆
	P 2.4 Product Rule for Counting	☆☆☆
Week 24	P 1.2 Relative Frequency	☆☆☆
Week 25	P 2.2 Tree Diagrams	☆☆☆
Week 26	P 2.3 Venn Diagrams	☆☆☆

YEAR 2 - Summer Term 1

Week 27	S 1.2 Sampling & Capture, Recapture	☆☆☆
	S 2.2 Averages from a Table	☆☆☆
Week 28	S 3.8 Box Plots	☆☆☆
	S 3.7 Cumulative Frequency Diagrams	☆☆☆
Week 29	S 3.9 Histograms	☆☆☆
Week 30	S 3.6 Scatter Graphs	☆☆☆
	N 11.1 Using a Calculator	☆☆☆