WRM - Year 7 Scheme of Learning



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
		Α	lgebraic	Thinkin	ng			Place	Value a	nd Prop	ortion	
Autumn	Sequ	ences	and alge	rstand use braic ation		ty and alence	orderir	ce value ng intege decimals	ers and	pe	n, decim ercentag quivalend	ge
		Арр	lications	s of Nun	nber		Dire	cted Nur	mber	Fracti	onal Thi	inking
Spring	prob with a	ving lems ddition raction	with	ing prob multiplic nd divisio	ation	Fractions & percentages of amounts	Ope equ dire	erations pations v cted nun	vith	sut	dition a otraction fractions	of
		ı	ines an	d Angle	s			Rea	soning v	vith Nun	nber	
Summer	measu	nstructions oring and netric no	using	i	ping geo easonin		nun	oping nber nse		and ability		me ers and oof

WRM - Year 8 Scheme of Learning



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
		Pro	portiona	l Reaso	ning				Represe	ntations		
Autumn		and ale		licative nge	and d	olying ividing tions		rking in tesian p		Repres da	_	Tables & Probability
		Al	gebraic 1	techniqu	Jes			De	evelopin	g Numb	er	
Spring	Brad	ckets, ec inequ	quations alities	and	Sequences	Indices		actions a ercentag		Standa inde form	K N	lumber sense
		De	veloping	Geome	etry			Re	asoning	with Da	ıta	
Summer	_	es in pa and poly		trapez	a of ia and cles	Line symmetry and reflection	The	data ha	ndling c	ycle		ures of ation

WRM - Year 9 Scheme of Learning



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
		Rea	soning v	vith Alge	ebra		C	onstruct	ing in 2	and 3 D	imensio	ns
Autumn		ht line phs	solv	ng and ving tions		ting ctures	Three	e-dimens shapes	sional		tructions	
		Rea	soning v	vith Nun	nber			Reas	oning w	ith Geon	netry	
Spring	Num	bers	i	ing ntages		s and ney	Dedu	ction		on and lation		goras' orem
		Reas	oning wi	th Propo	ortion			Repres	entation	s and R	evision	
Summer	_	ement nilarity	& prop	g ratio portion lems	Ra	tes	Proba	ability	Algebraic representation		Revision	١



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
			Simi	larity				D	evelopin	g Algeb	ra	
Autumn	sin	ongrueno nilarity a olargeme	nd	Tri	gonome	try	solution	presenti ns of eq inequal	uations		nultaned	
			Geor	netry			Pro	portion	s and Pr	oportion	nal Chan	nge
Spring		les & rings		ng with cles	Vec	tors	Ratio fract	os & ions		ntages	Proba	ability
	l	Delving i	into data	•			Using r	number			Expre	ssions
Summer		cting, rep interpret		_	No calcu meth	lator	Type numbe seque			es and ots		ulating ssions

WRM - Year 11 Scheme of Learning



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
			Gra	phs					Alg	ebra		
Autumn		ents & nes		linear phs	Using	graphs		ding & rising		ing the ject	Func	tions
			Reas	oning				Revisio	on and C	Commun	ication	
Spring	Multip	licative	Geor	netric	Alge	braic		nsformii onstructii	_	Listing & describing	Show	that
Summer			Revi	ision					Exami	nations		

Year 12 A Level Maths (Edexcel)

		Week	Unit	Title	Homework every	Unit	Title	Homework ever
					week A			week B
04/09/2023	Monday	А			Staff Tra	aining Day		
08/09/2023	Friday		Algebra and functions		Baseline Test	Algebra and functions		Baseline Test
			Algebra and renetions			Algebra and ranctions		
11/09/2023	Monday	В						HM1
12/09/2023								
	Wednesday		Algebra and Functions	Algebra expressions		Algebra and functions	Quadratics	
14/09/2023								
15/09/2023	Friday							
18/09/2023	Monday	Α			HM2			
19/09/2023	Tuesday							
20/09/2023	Wednesday		Algebra and Functions	Algebra expressions & Graphs and transformations		Algebra and functions	Quadratics	
21/09/2023	Thursday			transformations				
22/09/2023								
25/09/2023		В						HM3
26/09/2023								
	Wednesday		Algebra and Functions	Graphs and transformations		Algebra and functions	Equations and Inequalities	
28/09/2023								
29/09/2023	Friday	-						
02/10/2023	Monday	Α			HM4			
03/10/2023	Tuesday				Review exercise			
04/10/2023	Wednesday		Algebra and Functions	Graphs and transformations	Unit Test	Algebra and functions	Equations and Inequalities	
05/10/2023	Thursday							
06/10/2023								
09/10/2023		В						HM5
10/10/2023	_			Algebraic division, factor theorem		Coordinate Geometry in x-y		
	Wednesday		Further Algebra	and proof		plane	Straight line graphs	
12/10/2023								
13/10/2023	Friday							
16/10/2023	Monday	A			HM6			
17/10/2023		^			THYIO			
	Wednesday		Further Algebra	Algebraic division, factor theorem		Coordinate Geometry in x-y	Straight line graphs	
19/10/2023			Tartier Algebra	and proof		plane	Straight integraphing	
20/10/2023								
20, 10, 2023								
					Half	Term		

Ī	1 1						
06/11/2024 Monday	В						HM7
07/11/2024 Tuesday	_						
8/11/2024 Wednesday		Further Algebra	Algebraic division, factor theorem		Coordinate Geometry in x-y	Circles	
9/11/2024 Thursday		rather Algebra	and proof		plane	on the s	
.0/11/2024 Friday		_			-		
10/11/2024 Filluay							
3/11/2023 Monday	A			HM8			
4/11/2023 Tuesday							
5/11/2023 Wednesday		Further Algebra	The binomial expansion		Coordinate Geometry in x-y	Circles	
6/11/2023 Thursday					plane		
7/11/2023 Friday					-		
0/11/2023 Monday	В						HM9
/11/2023 Tuesday		Further Algebra	The binomial expansion		Coordinate Geometry in x-y	Circles	Review exercise
2/11/2023 Wednesday			'		plane		Unit Test
3/11/2023 Thursday							
/11/2023 Friday				Staff Ti	raining Day		
7/11/2023 Monday	A			HM10			
3/11/2023 Tuesday				Review exercise			
9/11/2023 Wednesday		Further Algebra	The binomial expansion	Unit Test	Trigonometry	Trigonometric identities and equations	
)/11/2023 Thursday		_					
1/12/2023 Friday							
1/12/2023 Monday	В						HM11
5/12/2023 Tuesday							
5/12/2023 Wednesday		Trigonometry	Trigonometric ratios and graphs		Trigonometry	Trigonometric identities and equations	
7/12/2023 Thursday							
8/12/2023 Friday							
1/12/2023 Monday	A			HM12			
2/12/2023 Tuesday							
3/12/2023 Wednesday		Trigonometry	Trigonometric ratios and graphs		Trigonometry	Trigonometric identities and equations	
4/12/2023 Thursday							
5/12/2023 Friday		_					
	В	Trigon	T-1		Trigon	Trigonomotrio idontiti a and a susti	HM13
/12/2023 Tuesday		Trigonometry	Trigonometric ratios and graphs		Trigonometry	Trigonometric identities and equations	
/12/2023 Wednesday							
				Christm	nas Holiday		
/01/2024 Wednesday	A			Staff Tr	raining Day		
/01/2024 Wednesday /01/2024 Thursday			Definitions, magnitude/direction,	HM14			Review exercise
/01/2024 Friday		Vectors	addition and scalar multiplication		Trigonometry	Trigonometric identities and equations	Unit Test
,,,,			addition and Scalar maniphication				
/01/2024 Monday	В						HM15
			- 6			2 6 105	
/01/2024 Tuesday			Definitions, magnitude/direction,			Definition, differentiating polynomials,	
/01/2024 Tuesday /01/2024 Wednesday		Vectors			Differentiation		
		Vectors	addition and scalar multiplication		Differentiation	second derivatives	

15/01/2024 Mor	onday	Α			HM16				T
16/01/2024 Tue	esday								T
17/01/2024 Wed	ednesdav		Vectors	Definitions, magnitude/direction,		Differentiation	Definition, differentiating polynomials,		十
18/01/2024 Thu			7 2010.5	addition and scalar multiplication			second derivatives		T
19/01/2024 Frid									+
13/01/2024 Fild	uay								+
22/01/2024 Mor		В						HM17	+
23/01/2024 Mor		В						HIVI1/	+
				Position vectors, distance between		Differentiation	Gradients, tangents, normals, maxima		+
24/01/2024 We			Vectors	two points, geometric problems		Differentiation	and minima		+
25/01/2024 Thu									+
26/01/2024 Frid	day								\bot
									╄
29/01/2024 Mor		Α			HM18				\perp
30/01/2024 Tue				Position vectors, distance between			Gradients, tangents, normals, maxima		丄
31/01/2024 We	ednesday		Vectors	two points, geometric problems		Differentiation	and minima		
01/02/2024 Thu	ursday			two points, geometric problems			and mining		
02/02/2024 Frid	day								Т
									Т
05/02/2024 Mor	ondav	В			Review exercise			HM19	十
06/02/2024 Tue		-			Unit Test			Review exercise	+
07/02/2024 We	<u> </u>		Vectors	Position vectors, distance between		Differentiation	Gradients, tangents, normals, maxima	Unit Test	十
08/02/2024 Thu			Vectors	two points, geometric problems		2	and minima	Olite rest	+
09/02/2024 Frid									+
03/02/2024 Fild	uay								+
									+
			_		Half	Term			H
									+
12/02/2024 M	londay	'IA 'I			шмэо				
12/02/2024 Mo		Α			HM20				-
13/02/2024 Tu	uesday	A		Definition as opposite of	HM20		Exponential functions and natural		
13/02/2024 Tu 14/02/2024 We	uesday Vednesday	A	Integration	Definition as opposite of differentiation	HM20	Exponentials and logarithms	Exponential functions and natural		
13/02/2024 Tu	uesday Vednesday	A	Integration	Definition as opposite of differentiation	HM20	Exponentials and logarithms	Exponential functions and natural logarithms		
13/02/2024 Tu 14/02/2024 We 15/02/2024 Th	uesday Vednesday hursday	A	Integration		HM20	Exponentials and logarithms	The state of the s		- - - -
13/02/2024 Tu 14/02/2024 We	uesday Vednesday hursday	A	Integration		HM20	Exponentials and logarithms	The state of the s		- - - - -
13/02/2024 Tu 14/02/2024 We 15/02/2024 Th 16/02/2024 Fri	uesday Vednesday hursday riday		Integration		HM20	Exponentials and logarithms	The state of the s	HM21	- - - - - - - -
13/02/2024 Tu 14/02/2024 Ww 15/02/2024 Th 16/02/2024 Fri 26/02/2024 Mo	uesday Vednesday hursday riday	B	Integration	differentiation	HM20	Exponentials and logarithms	. logarithms	HM21	
13/02/2024 Tu 14/02/2024 W/ 15/02/2024 Th 16/02/2024 Fri 26/02/2024 Mc 27/02/2024 Tu	uesday Vednesday hursday riday londay uesday				HM20		The state of the s	НМ21	
13/02/2024 Tu 14/02/2024 We 15/02/2024 Th 16/02/2024 Fri 26/02/2024 Mc 27/02/2024 Tu 28/02/2024 We	uesday Vednesday hursday riday Jonday uesday Vednesday		Integration	differentiation	HM20	Exponentials and logarithms Exponentials and logarithms	. logarithms	HM21	
13/02/2024 Tu 14/02/2024 Wd 15/02/2024 Th 16/02/2024 Fri 26/02/2024 Md 27/02/2024 Tu 28/02/2024 Wd 29/02/2024 Th	uesday Vednesday hursday riday Ionday uesday Vednesday hursday			differentiation Definition as opposite of	HM20		logarithms logarithms	HM21	
13/02/2024 Tu 14/02/2024 We 15/02/2024 Th 16/02/2024 Fri 26/02/2024 Mc 27/02/2024 Tu 28/02/2024 We	uesday Vednesday hursday riday Ionday uesday Vednesday hursday			differentiation Definition as opposite of	HM20		logarithms logarithms	HM21	
13/02/2024 Tu 14/02/2024 Wc 15/02/2024 Th 16/02/2024 Fri 26/02/2024 Mc 27/02/2024 Wc 28/02/2024 Wc 29/02/2024 Th 01/03/2024 Fri	uesday Vednesday hursday riday Monday uesday Vednesday hursday	B		differentiation Definition as opposite of			logarithms logarithms	HM21	
13/02/2024 Tu 14/02/2024 Wc 15/02/2024 Fri 16/02/2024 Fri 26/02/2024 Mc 27/02/2024 Tu 28/02/2024 Th 01/03/2024 Fri 04/03/2024 Fri	uesday Vednesday hursday riday Monday uesday Vednesday hursday hursday			differentiation Definition as opposite of	HM20		logarithms Exponential functions and natural logarithms	HM21	
13/02/2024 Tu 14/02/2024 Wc 15/02/2024 Fri 16/02/2024 Fri 26/02/2024 Mc 27/02/2024 Wc 29/02/2024 Th 01/03/2024 Fri 04/03/2024 Mc 05/03/2024 Tu	uesday Vednesday hursday riday Ionday uesday Vednesday hursday riday	B	Integration	differentiation Definition as opposite of differentiation		Exponentials and logarithms	Exponential functions and natural logarithms Direct impact of elastic spheres. Newton's	HM21	
13/02/2024 Tu 14/02/2024 Wc 15/02/2024 Fri 16/02/2024 Fri 26/02/2024 Mc 27/02/2024 Tu 28/02/2024 Th 01/03/2024 Fri 04/03/2024 Mc 05/03/2024 Tu 06/03/2024 Wc	uesday Vednesday hursday riday Ionday uesday Vednesday hursday riday Ionday uesday Vednesday hursday riday	B		differentiation Definition as opposite of			Exponential functions and natural logarithms Direct impact of elastic spheres. Newton's law of restitution. Loss of kinetic energy	HM21	
13/02/2024 Tu 14/02/2024 Wc 15/02/2024 Fri 16/02/2024 Fri 26/02/2024 Wc 27/02/2024 Tu 28/02/2024 Th 01/03/2024 Fri 04/03/2024 Mc 05/03/2024 Tu 06/03/2024 Wc 07/03/2024 Tri	uesday /ednesday hursday riday Ionday uesday /ednesday hursday riday Ionday uesday uesday hursday riday	B	Integration	differentiation Definition as opposite of differentiation Definite integrals and areas under		Exponentials and logarithms	Exponential functions and natural logarithms Direct impact of elastic spheres. Newton's	HM21	
13/02/2024 Tu 14/02/2024 Wr 15/02/2024 Fri 16/02/2024 Fri 26/02/2024 Wr 27/02/2024 Tu 28/02/2024 Th 01/03/2024 Fri 04/03/2024 Mr 05/03/2024 Wr 05/03/2024 Wr 05/03/2024 Wr	uesday /ednesday hursday riday Ionday uesday /ednesday hursday riday Ionday uesday uesday hursday riday	B	Integration	differentiation Definition as opposite of differentiation Definite integrals and areas under		Exponentials and logarithms	Exponential functions and natural logarithms Direct impact of elastic spheres. Newton's law of restitution. Loss of kinetic energy	HM21	
13/02/2024 Tu 14/02/2024 We 15/02/2024 Fri 26/02/2024 Me 27/02/2024 Tu 28/02/2024 Th 01/03/2024 Fri 04/03/2024 Fri 06/03/2024 We 05/03/2024 Tu 06/03/2024 Fri 08/03/2024 Fri	uesday Vednesday hursday riday Monday uesday Vednesday hursday riday Monday uesday vednesday hursday riday riday riday riday	B	Integration	differentiation Definition as opposite of differentiation Definite integrals and areas under		Exponentials and logarithms	Exponential functions and natural logarithms Direct impact of elastic spheres. Newton's law of restitution. Loss of kinetic energy		
13/02/2024 Tu 14/02/2024 We 15/02/2024 Fri 26/02/2024 Me 27/02/2024 Tu 28/02/2024 Th 01/03/2024 Fri 04/03/2024 Fri 06/03/2024 We 05/03/2024 Tu 06/03/2024 Fri 11/03/2024 Fri	uesday Vednesday hursday riday Monday uesday Vednesday hursday riday Monday uesday hursday riday Monday uesday vednesday hursday hursday riday	B	Integration	differentiation Definition as opposite of differentiation Definite integrals and areas under		Exponentials and logarithms	Exponential functions and natural logarithms Direct impact of elastic spheres. Newton's law of restitution. Loss of kinetic energy	HM21	
13/02/2024 Tu 14/02/2024 We 15/02/2024 Fri 26/02/2024 Me 27/02/2024 Tu 28/02/2024 Th 01/03/2024 Fri 04/03/2024 Fri 04/03/2024 We 05/03/2024 Tu 06/03/2024 Fri 11/03/2024 Fri 11/03/2024 Fri	uesday Vednesday hursday riday Monday uesday Vednesday hursday riday Monday uesday riday Monday uesday Vednesday hursday riday hursday riday	B	Integration	Definition as opposite of differentiation Definite integrals and areas under curves		Exponentials and logarithms Exponentials and logarithms	Exponential functions and natural logarithms Direct impact of elastic spheres. Newton's law of restitution. Loss of kinetic energy due to impact		
13/02/2024 Tu 14/02/2024 We 15/02/2024 Fri 26/02/2024 Me 27/02/2024 Tu 28/02/2024 Th 01/03/2024 Fri 04/03/2024 Fri 04/03/2024 We 05/03/2024 We 05/03/2024 Tu 06/03/2024 Fri 11/03/2024 Fri	uesday Vednesday hursday riday Monday uesday Vednesday hursday riday Monday uesday riday Monday uesday Vednesday hursday riday hursday riday	B	Integration	Definition as opposite of differentiation Definite integrals and areas under curves Definite integrals and areas under		Exponentials and logarithms	Exponential functions and natural logarithms Direct impact of elastic spheres. Newton's law of restitution. Loss of kinetic energy due to impact Exponential functions and natural		
13/02/2024 Tu 14/02/2024 We 15/02/2024 Fri 26/02/2024 Me 27/02/2024 Tu 28/02/2024 Th 01/03/2024 Fri 04/03/2024 Fri 04/03/2024 We 05/03/2024 Tu 06/03/2024 Fri 11/03/2024 Th 11/03/2024 Th 08/03/2024 Th	uesday Vednesday hursday riday Monday uesday Vednesday hursday riday Monday uesday vednesday hursday riday Monday uesday vednesday hursday riday	B	Integration	Definition as opposite of differentiation Definite integrals and areas under curves		Exponentials and logarithms Exponentials and logarithms	Exponential functions and natural logarithms Direct impact of elastic spheres. Newton's law of restitution. Loss of kinetic energy due to impact		
13/02/2024 Tu 14/02/2024 We 15/02/2024 Fri 26/02/2024 Me 27/02/2024 Tu 28/02/2024 Th 01/03/2024 Fri 04/03/2024 Fri 04/03/2024 We 05/03/2024 Tu 06/03/2024 Fri 11/03/2024 Th 11/03/2024 Th 11/03/2024 Th 11/03/2024 Th	uesday Vednesday hursday riday Monday uesday Vednesday hursday riday Monday uesday Vednesday hursday riday Monday uesday Vednesday hursday riday	B	Integration	Definition as opposite of differentiation Definite integrals and areas under curves Definite integrals and areas under		Exponentials and logarithms Exponentials and logarithms	Exponential functions and natural logarithms Direct impact of elastic spheres. Newton's law of restitution. Loss of kinetic energy due to impact Exponential functions and natural		

18/03/2024 Monday	A			HM24			Review exercise
19/03/2024 Tuesday			Definite integrals and areas under	Review exercise		Exponential functions and natural	Unit Test
20/03/2024 Wednesday		Integration	Definite integrals and areas under curves	Unit Test	Exponentials and logarithms	logarithms	
21/03/2024 Thursday			curves			logaritiinis	
22/03/2024 Friday							
25/03/2024 Monday	В						HM25
26/03/2024 Tuesday		Quantities and units in	Introduction to mathematical			Introduction to sampling	
27/03/2024 Wednesday		mechanics	modelling and standard S.I. units of		Statistical sampling	terminology∧ use sampling	
28/03/2024 Thursday		mechanics	length, time and mass			techniques	
				Easte	r Holiday		
			T T	T	<u>, </u>		
5/04/2024 Monday	A			Stoff T.	raining Day		
.6/04/2024 Monday	A			Stall II	anning Day		
17/04/2024 Tuesday							
18/04/2024 Wednesday				Year 12 Mock	Examinations		
19/04/2024 Friday							
2) 04/ 2024 FIIUdy							
2/04/2024 Monday	В			HM26			Review exercise
3/04/2024 Tuesday						Introduction to sampling	Unit Test
4/04/2024 Wednesday		Kinematics 1 (constant	Graphical representation of velocity,		Statistical sampling	terminology∧ use sampling	
5/04/2024 Thursday		acceleration)	acceleration and displacement		Statistical sampling	techniques	
26/04/2024 Friday					-	techniques	
	1						
29/04/2024 Monday	Α						HM27
30/04/2024 Tuesday		Kinematics 1 (constant	Graphical representation of velocity,		Data presentation and	Calculation and interpretation of	
01/05/2024 Wednesday		acceleration)	acceleration and displacement		interpretation	measures of location and measures of	
02/05/2024 Thursday			· ·			variation; Understand and use coding	
03/05/2024 Friday							
	 						
	В			HM28			
07/05/2024 Tuesday	В	Kinematics 1 /constant	Motion in a straight line under	HM28	Data presentation and	Calculation and interpretation of	
07/05/2024 Tuesday 08/05/2024 Wednesday	В	Kinematics 1 (constant	constant acceleration; suvat formulae	HM28	Data presentation and	measures of location and measures of	
07/05/2024 Tuesday 08/05/2024 Wednesday	В	Kinematics 1 (constant acceleration)	_	HM28	Data presentation and interpretation		
07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday	В	· · · · · · · · · · · · · · · · · · ·	constant acceleration; suvat formulae	HM28		measures of location and measures of	
07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday	В	· · · · · · · · · · · · · · · · · · ·	constant acceleration; suvat formulae	HM28		measures of location and measures of	
07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday 10/05/2024 Friday	B A	· · · · · · · · · · · · · · · · · · ·	constant acceleration; suvat formulae	HM28 Review exercise		measures of location and measures of	HM29
07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday 00/05/2024 Friday		acceleration)	constant acceleration; suvat formulae	3	interpretation	measures of location and measures of	HM29
07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday 00/05/2024 Friday 03/05/2024 Monday 04/05/2024 Tuesday		acceleration) Kinematics 1 (constant	constant acceleration; suvat formulae ; Vertical motion under gravity	Review exercise Unit Test	interpretation Data presentation and	measures of location and measures of variation; Understand and use coding	HM29
07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday 0/05/2024 Friday 0/05/2024 Monday 0/05/2024 Tuesday 0/05/2024 Wednesday		acceleration)	constant acceleration; suvat formulae ; Vertical motion under gravity Motion in a straight line under	Review exercise Unit Test	interpretation	measures of location and measures of variation; Understand and use coding Interpret diagrams for single-variable	HM29
07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday 10/05/2024 Friday 13/05/2024 Monday 14/05/2024 Tuesday 15/05/2024 Wednesday 16/05/2024 Thursday		acceleration) Kinematics 1 (constant	constant acceleration; suvat formulae ; Vertical motion under gravity Motion in a straight line under constant acceleration; suvat formulae	Review exercise Unit Test	interpretation Data presentation and	measures of location and measures of variation; Understand and use coding Interpret diagrams for single-variable data; Interpret scatter diagrams and	HM29
07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday 10/05/2024 Friday 13/05/2024 Monday 14/05/2024 Tuesday 15/05/2024 Wednesday 16/05/2024 Thursday		acceleration) Kinematics 1 (constant	constant acceleration; suvat formulae ; Vertical motion under gravity Motion in a straight line under constant acceleration; suvat formulae	Review exercise Unit Test	interpretation Data presentation and	measures of location and measures of variation; Understand and use coding Interpret diagrams for single-variable data; Interpret scatter diagrams and	HM29
07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday 10/05/2024 Friday 13/05/2024 Monday 14/05/2024 Tuesday 15/05/2024 Wednesday 16/05/2024 Thursday 17/05/2024 Friday		acceleration) Kinematics 1 (constant	constant acceleration; suvat formulae ; Vertical motion under gravity Motion in a straight line under constant acceleration; suvat formulae	Review exercise Unit Test	interpretation Data presentation and	measures of location and measures of variation; Understand and use coding Interpret diagrams for single-variable data; Interpret scatter diagrams and	HM29 Review exercise
07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday 10/05/2024 Friday 13/05/2024 Monday 14/05/2024 Tuesday 15/05/2024 Wednesday 16/05/2024 Thursday 17/05/2024 Friday 20/05/2024 Monday	A	acceleration) Kinematics 1 (constant	constant acceleration; suvat formulae ; Vertical motion under gravity Motion in a straight line under constant acceleration; suvat formulae	Review exercise Unit Test	interpretation Data presentation and interpretation	measures of location and measures of variation; Understand and use coding Interpret diagrams for single-variable data; Interpret scatter diagrams and	
07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday 10/05/2024 Friday 13/05/2024 Monday 14/05/2024 Tuesday 15/05/2024 Wednesday 16/05/2024 Thursday 17/05/2024 Friday 20/05/2024 Monday 21/05/2024 Tuesday	A	acceleration) Kinematics 1 (constant	constant acceleration; suvat formulae ; Vertical motion under gravity Motion in a straight line under constant acceleration; suvat formulae ; Vertical motion under gravity	Review exercise Unit Test	interpretation Data presentation and interpretation Data presentation	measures of location and measures of variation; Understand and use coding Interpret diagrams for single-variable data; Interpret scatter diagrams and regression lines; Recognise outliers	Review exercise
06/05/2024 Monday 07/05/2024 Tuesday 08/05/2024 Wednesday 09/05/2024 Thursday 10/05/2024 Friday 13/05/2024 Monday 14/05/2024 Tuesday 15/05/2024 Wednesday 16/05/2024 Friday 20/05/2024 Monday 21/05/2024 Monday 21/05/2024 Tuesday 22/05/2024 Tuesday 22/05/2024 Wednesday 22/05/2024 Wednesday 23/05/2024 Thursday	A	acceleration) Kinematics 1 (constant acceleration)	constant acceleration; suvat formulae ; Vertical motion under gravity Motion in a straight line under constant acceleration; suvat formulae ; Vertical motion under gravity Newton's first law, force diagrams,	Review exercise Unit Test	interpretation Data presentation and interpretation	measures of location and measures of variation; Understand and use coding Interpret diagrams for single-variable data; Interpret scatter diagrams and regression lines; Recognise outliers Interpret diagrams for single-variable	Review exercise

				Hal	lf Term		
03/06/2024 Monday	Α						HM31
04/06/2024 Tuesday			Newton's first law, force diagrams,			Mark collection and and an analysis	
05/06/2024 Wednesday		Forces & Newton's laws	equilibrium, introduction to i, j		Probability	Mutually exclusive events; Independent	
06/06/2024 Thursday			system			events	
07/06/2024 Friday							
10/06/2024 Monday	В		November 2	HM32			Review exercise
11/06/2024 Tuesday			Newton's second law, (no resolving			Mark and the second section of the section of the second section of the section of the second section of the s	Unit Test
12/06/2024 Wednesday		Forces & Newton's laws	forces or use of F = μR); Newton's third law: equilibrium, smooth pulley		Probability	Mutually exclusive events; Independent	
13/06/2024 Thursday						events	
14/06/2024 Friday			problems				
17/06/2024 Monday	Α			Review exercise			HM33
18/06/2024 Tuesday			Newton's second law, (no resolving	Unit Test		Use and identify discrete distributions;	
19/06/2024 Wednesday		Forces & Newton's laws	forces or use of $F = \mu R$); Newton's		Statistical Distributions	Calculate probabilities using the binomial	
20/06/2024 Thursday			third law: equilibrium, smooth pulley			distribution (calculator use expected)	
21/06/2024 Friday			problems			,	
21/00/2024 Hady							
24/06/2024 Monday	В			HM34		Use and identify discrete distributions;	Review exercise
25/06/2024 Tuesday	5				_	Calculate probabilities using the binomial	
26/06/2024 Wednesday		Kinematics 2 (variable	Variable force; Calculus to determine		Statistical Distributions	distribution (calculator use expected)	Offic resc
27/06/2024 Thursday		acceleration)	rates of change for kinematics		Statistical Distributions	2 directed towards the centre of the	
28/06/2024 Friday					_	circle:	
28/00/2024 Filday						choic,	
					İ		
01/07/2024 Monday	Α					Language of hypothesis testing;	HM35
02/07/2024 Tuesday		Kinematics 2 (variable	Variable force: Calculus to determine		Statistical Hypothesis	Significance levels	
03/07/2024 Wednesday		acceleration)	rates of change for kinematics		Testing	2 directed towards the centre of the	
04/07/2024 Thursday			Tutes of onlinge for minematics			circle;	
05/07/2024 Friday						,	
08/07/2024 Monday	В			HM36			
09/07/2024 Tuesday		Kinematics 2 (variable	Use of integration for kinematics		Statistical Hypothesis	Carry out hypothesis tests involving the	
10/07/2024 Wednesday		acceleration)	problems i.e. r = \(\text{vdt}, \text{v} = \(\) adt		- Testing	binomial distribution	
11/07/2024 Thursday		deceleration	prosterio neri – j vacji v – j dat		resting	- Differmal distribution	
12/07/2024 Friday							
15/07/2024 Monday				Review exercise			Review exercise
16/07/2024 Tuesday	Α	Kinematics 2 (variable	Use of integration for kinematics	Unit Test	Statistical Hypothesis	Carry out hypothesis tests involving the	Unit Test
17/07/2024 Wednesday		acceleration)	problems i.e. r = ∫ vdt, v = ∫ adt		Testing	binomial distribution	
18/07/2024 Thursday							
					raining Day		•

Year 12 Further Maths (Edexcel)

		Week		Unit	Title	Homework every	Unit	Title	Homework every
						week A			week B
04/09/2023	Monday	Α				Staff Trai	ning Dav		
, ,	,								
08/09/2023	Friday			Complex numbers (part 1)	Introduction of complex numbers,		Matrices	Matrix addition, subtraction and	
				complex numbers (part 1)	basic manipulation		Matrices	multiplication	
11/09/2023	Monday	В							HM1
12/09/2023		В		-					LINIT
	Wednesday	+		Complex numbers (part 1)	Introduction of complex numbers,		Matrices	Matrix addition, subtraction and	
14/09/2023				complex numbers (pare 1)	basic manipulation		Matrices	multiplication	
15/09/2023				-					
15/05/2025	Titudy								
18/09/2023	Monday	Α				HM2			
19/09/2023	Tuesday					Review exercise			
	Wednesday			Complex numbers (part 1)	Argand diagrams	Unit Test	Matrices	Inverse of 2×2 and 3×3 matrices	
21/09/2023	Thursday								
22/09/2023	Friday								
25/09/2023		В							HM3
26/09/2023					Argand diagrams & Modulus and				
	Wednesday			Complex numbers (part 2)	argument		Matrices	Inverse of 2×2 and 3×3 matrices	
28/09/2023									
29/09/2023	Friday								
02/10/2023	8.0	A				HM4			
02/10/2023		A				HIVI4			
	Wednesday		+	Complex numbers (part 2)	Modulus and argument		Matrices	Inverse of 2×2 and 3×3 matrices	
05/10/2023				Complex numbers (part 2)	Wooding and argument		iviati ices	inverse of 2×2 and 3×5 matrices	
05/10/2023				-					
00/10/2023	riluay	+							
09/10/2023	Monday	В							HM5
10/10/2023		1							
	Wednesday			Complex numbers (part 2)	Loci		Matrices	Simultaneous equations	
12/10/2023									
13/10/2023									
16/10/2023	Monday	Α				HM6			
17/10/2023						Review exercise			
	Wednesday			Complex numbers (part 2)	Loci	Unit Test	Matrices	Simultaneous equations	
19/10/2023									
20/10/2023	Friday								
	-		-			Half T	erm		
	1		-						

7/11/2023 Monday B Series Sums of series Unit Test Matrices/Linear transformations Linear transformations									
MulticetyLinear transformations Mult	05/44/2024 Mandan	-							118.47
### Sums of series #### Sums of series ####################################		В							HM17
### A PATRIANS Dischards D							Matrices/Linear		
### Management of the property				Series	Sums of series		transformations	Linear transformations	
All 17/2073 Monday A All 17/2073 Trender All 17/2073									
All 1/2003 Monday Series Sum of series Matrices/Linear transformations Transformations Matrices/Linear transformations Matrices/Li	10/11/2024 Friday								
All 1/2003 Monday Series Sum of series Matrices/Linear transformations Transformations Matrices/Linear transformations Matrices/Li									
Series Sums of seri		Α				HM8			
Series Sums of seri							Matrices/Linear		
All	15/11/2023 Wednesday			Series	Sums of series			Linear transformations	
Staff Training Day Staff Staining Day Staff S	16/11/2023 Thursday								
Momentum and impulse	17/11/2023 Friday								
Momentum and impulse	20/11/2023 Monday	B				Roview evercise			HM9
Sums of series Sums				-			Matrices/Linear		
Staff Training Day				Series	Sums of series	Ollit Test		Linear transformations	
Momentum and impulse momentum principle; conservation of momentum principle in vector form Momentum and impulse momentum principle; conservation of momentum applied to collisions; jerking string problems Momentum and impulse momentum principle; conservation of momentum applied to collisions; jerking string problems Momentum and impulse momentum principle; conservation of momentum applied to collisions; jerking string problems Momentum and impulse momentum applied to collisions; jerking string problems Momentum and impulse momentum applied to collisions; jerking string problems Momentum and impulse momentum principle in vector form Momentum and impulse							transformations		Offic rest
Trigonometry Trig						C+-#F	ining Day		
### SATUP 2003 The stady	24/11/2023 Friday					Staff Fra	aining Day		
### SATUP 2003 The stady									
Momentum and impulse momentum principle; conservation of momentum and impulse momentum principle; conservation of momentum and impulse momentum and impulse momentum principle; conservation of momentum and impulse momentum and impulse momentum principle; conservation of momentum and impulse momentum and impulse momentum principle; conservation of momentum principle; conservation of momentum and impulse momentum principle; conservation of momentum principle; c	27/11/2023 Monday	Α			Momentum and impulse; impulse-	HM10			
Momentum and impulse pirking string problems pirking s									
July 2003 Triols of the proof Pr				Momentum and impulse			Algebra and functions	Roots of polynomial equations	
Algebra and functions Alge									
Momentum as a vector (i, j problems) Momentum as	01/12/2023 Friday				,88				
Momentum as a vector (i, j problems) Momentum as	0.4/4.0/0000014.4					n '			118.444
Momentum and impulse Impulse-momentum principle in vector form		В		_					HM11
17/12/2023 Thursday				1.31	Unit Test				
1/12/2023 Friday 1/12/2023 Friday 1/12/2023 Monday A 1/12/2023 Tuesday 3/12/2023 Friday 1/12/2023 Friday 1/12/2024 Friday 1/1				Momentum and impulse			Algebra and functions	Roots of polynomial equations	
Monday A				-	vector form				
Work, energy and power Work, kinetic energy; derivation of units and formulae Work, kinetic energy; derivation of units and formulae Work, kinetic energy; derivation of units and formulae Algebra and functions	08/12/2023 Friday								
Work, energy and power Work, kinetic energy; derivation of units and formulae Work, kinetic energy; derivation of units and formulae Work, kinetic energy; derivation of units and formulae Algebra and functions									
Work, energy and power Work, energy principle, conservation of mechanical Proof Proof by mathematical induction HM15 Work, energy principle, conservation of mechanical Proof Proof by mathematical induction HM15 Work, energy principle, conservation of mechanical Proof Proof by mathematical induction Work, energy principle, conservation of mechanical Proof Proof by mathematical induction Work, energy principle, conservation of mechanical Proof Proof by mathematical induction Work, energy principle, conservation of mechanical Proof Proof by mathematical induction Work, energy principle, conservation of mechanical Proof Proof by mathematical induction Work, energy principle, conservation of mechanical Proof Proof by mathematical induction Work, energy principle, conservation of mechanical Proof P		Α				HM12	_		
Mork, energy and power Units and formulae Algebra and functions Formation of polynomial equations					Work, kinetic energy: derivation of				
Mork, energy and power Work, energy principle, conservation of mechanical Work, energy and power Work, energy and power Work, energy principle, conservation of mechanical Work, energy and power Work, energy principle, conservation of mechanical Potential energy, work-energy principle, conservation of mechanical Proof Proof by mathematical induction HM15 HM				Work, energy and power			Algebra and functions	Formation of polynomial equations	
8/12/2023 Monday B Work, energy and power O/12/2023 Tuesday O/12/2023 Wednesday A Christmas Holiday Staff Training Day Work, energy and power O/12/2024 Truesday O/	14/12/2023 Thursday								
Solution	15/12/2023 Friday								
Work, energy and power Angeora and functions Formation of polynomial equations Review exercise Unit Test	18/12/2023 Monday	В	•		Mark binations of the control of the	ĺ			HM13
Christmas Holiday Staff Training Day Work, energy and power principle, conservation of mechanical modular to mechanical mergy, problem solving mechanical mergy, problem solving mechanical mergy, problem solving mechanical mergy, problem solving mechanical modular to mechanical modular to mechanical modular to mechanical modular to mechanical mergy, problem solving mechanical modular to mechanical modular to mechanical mergy, problem solving mechanical mergy mechanical mer	19/12/2023 Tuesday			Work, energy and power			Algebra and functions	Formation of polynomial equations	Review exercise
Christmas Holiday Christmas Holiday Christmas Holiday Staff Training Day Work, energy and power Potential energy, work-energy principle, conservation of mechanical Staff Training Day HM14 Proof Proof by mathematical induction HM15 Proof Proof by mathematical induction HM15 Proof Proof by mathematical induction	20/12/2023 Wednesday				and formulae				
3/01/2024 Wednesday A Staff Training Day 4/01/2024 Thursday Friday Work, energy and power Potential energy, work-energy principle, conservation of mechanical Proof Proof by mathematical induction 8/01/2024 Monday B Potential energy, work-energy principle, conservation of mechanical Proof Proof by mathematical induction 9/01/2024 Tuesday Wednesday Work, energy and power Potential energy, work-energy principle, conservation of mechanical Proof Proof by mathematical induction 9/01/2024 Tuesday Proof Proof by mathematical induction energy, problem solving									
3/01/2024 Wednesday A Staff Training Day 4/01/2024 Thursday Friday Work, energy and power Potential energy, work-energy principle, conservation of mechanical Proof Proof by mathematical induction 8/01/2024 Monday B Potential energy, work-energy principle, conservation of mechanical Proof Proof by mathematical induction 9/01/2024 Tuesday Wednesday Work, energy and power Potential energy, work-energy principle, conservation of mechanical Proof Proof by mathematical induction 9/01/2024 Tuesday Proof Proof by mathematical induction energy, problem solving						Christma	as Holiday		
4/01/2024 Thursday Work, energy and power Potential energy, work-energy principle, conservation of mechanical 8/01/2024 Monday B 9/01/2024 Tuesday Work, energy and power Potential energy, work-energy principle, conservation of mechanical Potential energy, work-energy principle, conservation of mechanical Potential energy, work-energy principle, conservation of mechanical Proof Proof by mathematical induction						Christina	as Hulluay		
4/01/2024 Thursday Work, energy and power Potential energy, work-energy principle, conservation of mechanical 8/01/2024 Monday B 9/01/2024 Tuesday Work, energy and power Potential energy, work-energy principle, conservation of mechanical Potential energy, work-energy principle, conservation of mechanical Potential energy, work-energy principle, conservation of mechanical Proof Proof by mathematical induction									
S/01/2024 Friday Work, energy and power principle, conservation of mechanical proof principle, conservation of mechanical principle, conservation of mechanical principle, conservation of mechanical proof principle, conservation of mechanical proof principle, conservation of mechanical proof principle, conservation of mechanical principle, conservation of mechanical principle, conservation of mechanical proof principle, conservation princi	03/01/2024 Wednesday	Α					aining Day		
8/01/2024 Monday B Potential energy, work-energy principle, conservation of mechanical Proof by mathematical induction energy, problem solving	04/01/2024 Thursday			Work, energy and nower		HM14	Proof	Proof by mathematical induction	
9/01/2024 Tuesday 0/01/2024 Wednesday Thursday Work, energy and power 1/01/2024 Thursday Potential energy, work-energy principle, conservation of mechanical energy, problem solving Proof by mathematical induction Proof by mathematical induction	05/01/2024 Friday			troik, energy and power	principle, conservation of mechanical		11001	1 1001 by mathematical materion	
9/01/2024 Tuesday 0/01/2024 Wednesday Thursday Work, energy and power 1/01/2024 Thursday Potential energy, work-energy principle, conservation of mechanical energy, problem solving Proof by mathematical induction Proof by mathematical induction	09/01/2024 Manday	D							LINATE
0/01/2024 Wednesday Work, energy and power 1/01/2024 Thursday Work energy and power 2/01/2024 Wednesday Principle, conservation of mechanical energy, problem solving		R			5				HIVITO
1/01/2024 Thursday energy, problem solving		+ +							
		+		Work, energy and power			Proof	Proof by mathematical induction	
2/01/2024 Friday					energy, problem solving				
							-	the state of the s	

15/01/2024 Monday	Α			HM16			Review exercise
16/01/2024 Tuesday							Unit Test
17/01/2024 Wednesday		Work, energy and power	Power; derivation of units and formula		Proof	Proof by mathematical induction	
18/01/2024 Thursday							
19/01/2024 Friday							
22/01/2024 Monday	В			Review exercise			HM17
23/01/2024 Tuesday				Unit Test			
24/01/2024 Wednesday		Work, energy and power	Power; derivation of units and formula		Calculus	Volumes of revolution	
25/01/2024 Thursday							
26/01/2024 Friday							
29/01/2024 Monday	Α			HM18			
30/01/2024 Tuesday							
31/01/2024 Wednesday		Vectors	Vector and Cartesian equations of a		Calculus	Volumes of revolution	
01/02/2024 Thursday			line and a plane				
02/02/2024 Friday							
,							
05/02/2024 Monday	В						HM19
06/02/2024 Tuesday							Review exercise
07/02/2024 Wednesday		Vectors	Vector and Cartesian equations of a		Calculus	Volumes of revolution	Unit Test
08/02/2024 Thursday			line and a plane				
09/02/2024 Friday							
				11.16	-		
				Half	Term		
12/02/2024 Monday	Α			HM20			
13/02/2024 Tuesday					Elastic collisions in one	Direct impact of elastic spheres.	
14/02/2024 Wednesday		Vectors	Scalar product		- dimension	Newton's law of restitution. Loss of	
15/02/2024 Thursday					uniterision	kinetic energy due to impact	
16/02/2024 Friday							
26/02/2024 Monday	В						HM21
27/02/2024 Tuesday						Direct impact of elastic spheres.	
28/02/2024 Wednesday		Vectors	Scalar product		Elastic collisions in one dimension	Newton's law of restitution. Loss of	
29/02/2024 Thursday					uillelision	kinetic energy due to impact	
01/03/2024 Friday							
04/03/2024 Monday	Α			HM22			
05/03/2024 Tuesday			Problems involving points, lines and		Elastic collisions in one	Direct impact of elastic spheres.	
06/03/2024 Wednesday		Vectors	planes		dimension	Newton's law of restitution. Loss of	
07/03/2024 Thursday			planes		dimension	kinetic energy due to impact	
08/03/2024 Friday							
11/03/2024 Monday	В			Review exercise			HM23
12/03/2024 Tuesday			Problems involving points, lines and	Unit Test	Elastic collisions in one	Problem solving (including 'successive' impacts)	
40 /00 /0004 144 1		Vectors	planes		dimension		
13/03/2024 Wednesday							
13/03/2024 Wednesday 14/03/2024 Thursday 15/03/2024 Friday			,			,	

18/03/2024		A		the shade less and deferment of	HM24			
19/03/2024	•		Electic strings and enrings and I	Hooke's law and definition of modulus		Elastic collisions in one	Problem solving (including 'successive'	
	Wednesday		elastic energy	of elasticity. Derivation of elastic		dimension	impacts)	
21/03/2024				potential energy formula.			1 1	
22/03/2024	Friday							
25/03/2024		В						HM25
26/03/2024		ļ	Elastic strings and springs and	Hooke's law and definition of modulus		Elastic collisions in one	Problem solving (including 'successive'	
	Wednesday		elastic energy	of elasticity. Derivation of elastic		dimension	impacts)	
28/03/2024	Thursday		<u>. </u>	potential energy formula.				
		+ +					<u> </u>	
			_		Easter	Holiday		
15/04/2024	Monday	A			Staff Trai	ning Day		
16/04/2024	Tuesday							
	Wednesday				/a.a.s. 1.2.8.4	· va va in a ti a v		
18/04/2024				Y	ear 12 Mock I	examinations		
19/04/2024	Friday							
22/04/2024		В			HM26		Obligation to the state of the	
23/04/2024	Tuesday			Hooke's law and definition of modulus of elasticity. Derivation of elastic potential energy formula.		Elastic collisions in two dimensions	Oblique impact of a smooth sphere with a fixed surface Successive oblique impacts of a sphere with smooth plane surfaces	
24/04/2024	Wednesday		Elastic strings and springs and					
25/04/2024			elastic energy					
26/04/2024	Friday		_					
29/04/2024	Monday	Α						HM27
30/04/2024			_	Hooke's law and definition of modulus		Elastic collisions in two dimensions	Oblique impact of a smooth sphere with a fixed surface Successive oblique impacts of a sphere with smooth plane	1110127
	Wednesday		Elastic strings and springs and	of elasticity. Derivation of elastic				
02/05/2024			elastic energy	potential energy formula.				
03/05/2024			_	potential energy roundial			surfaces	
03/03/2024	TTIGAY							
06/05/2024	Monday	В			HM28			Review exercise
07/05/2024	•			Hooke's law and definition of modulus			Oblique impact of a smooth sphere with	Unit Test
	Wednesday		Elastic strings and springs and	of elasticity. Derivation of elastic		Elastic collisions in two	a fixed surface Successive oblique	
09/05/2024	-		elastic energy	potential energy formula.		dimensions	impacts of a sphere with smooth plane	
				potential energy formation			surfaces	
10/05/2024	Friday							
12/05/2024	Mondo	A						LIMAGO
13/05/2024		A						HM29
14/05/2024			Elastic strings and springs and	Problem solving: equilibrium and		Motion in a circle (part 1)	Angular speed, central force, radial	
	Wednesday		elastic energy	using the work-energy principle		Motion in a circle (part 1)	acceleration	
16/05/2024								
17/05/2024	Friday							
/ /	Monday	D			HM30			
20/05/2024 Monday B		В						
	Venzeu		Elastic strings and springs and	Problem solving: equilibrium and	Review exercise	Motion in a circle (part 4)	Angular speed, central force, radial	
21/05/2024	-			using the work-energy principle	Unit Test	Motion in a circle (part 1)	acceleration	
21/05/2024 22/05/2024	Wednesday		elastic energy	using the work-energy principle			decereration	
21/05/2024	Wednesday Thursday		elastic energy	using the work-energy principle			acceleration	

				Half Tarms							
				Half Term							
00/05/0004											
03/06/2024		A					_		HM31		
04/06/2024	Wednesday	+		Elastic strings and springs and	Problem solving: equilibrium and using the work-energy principle		Motion in a circle (part 1)	Uniform motion in a horizontal circle			
06/06/2024	,			elastic energy			Motion in a circle (part 1)				
07/06/2024											
7//00/2024	riluay										
10/06/2024	Monday	В				HM32					
1/06/2024	-	-		_	Moments; centre of mass of a discrete	THVISE					
	Wednesday			Centres of mass of plane	distribution (1 and 2 dimensions);		Motion in a circle (part 1)	Uniform motion in a horizontal circle			
13/06/2024	,			figures	framework and uniform lamina		motion in a circle (part 1)	Cimerin metalinin a menzeman en ere			
14/06/2024				_	(rectilinear shapes)						
4/00/2024	rriday										
7/06/2024	Monday	A							HM33		
8/06/2024		-			Moments; centre of mass of a discrete distribution (1 and 2 dimensions); framework and uniform lamina (rectilinear shapes)			Uniform motion in a horizontal circle			
	Wednesday			Centres of mass of plane figures			Motion in a circle (part 1)				
0/06/2024							" ,				
1/06/2024											
,,	,										
4/06/2024	Monday	В				HM34		Understand that a particle moving in a horizontal circle with constant speed has an acceleration of magnitude 2 directed towards the centre of the circle;			
5/06/2024	-						1				
26/06/2024	Wednesday			Centres of mass of plane	Centres of mass of plane figures		Motion in a circle (part 2)				
27/06/2024				figures							
28/06/2024	Friday										
107/0004	• •		<u>.</u>								
1/07/2024		Α		-			_	Understand that a particle moving in a horizontal circle with constant speed has an acceleration of magnitude 2 directed towards the centre of the	HM35		
2/07/2024	Wednesday	-		Centres of mass of plane	Variable force; Calculus to determine		Motion in a circle (part 2)				
		+		figures	rates of change for kinematics						
4/07/2024 5/07/2024		-		-			_	$r\omega$			
0/07/2024	Friday	-						circle,			
3/07/2024	Monday	В				HM36		Motion in a vertical circle: radial and			
9/07/2024											
	Wednesday			Centres of mass of plane	Further centres of mass		Motion in a circle (part 2)	tangential acceleration; Conservation of			
1/07/2024				figures			(2)	energy in this context			
2/07/2024											
, .,											
5/07/2024	Monday	Α				Review exercise			Review exercise		
6/07/2024				Centres of mass of plane	5 11	Unit Test		Motion in a vertical circle: radial and	Unit Test		
	Wednesday			figures	Further centres of mass		Motion in a circle (part 2)	tangential acceleration; Conservation of			
2/07/2024	Thursday							energy in this context			
0/0//2024							raining Day				

	YEAR 13 TOPICS (AQA)										
TEACHIN WEEK	G SCHOOL WEEK	WEEK COMMENCING IEACHER I			TEACHER 2	Teachin g hours	HOMEWORK				
1	Α	04 September 2023	- 4	12.1 Further mathematical proof		13.1 The binomial series	1 2 3	Dr Frost			
2	В	11 September 2023	Chapter 14	12.2 Functions	ses	13.1 The binomial series	5 6 7	<u>Dr Frost</u>	-		
3	Α	18 September 2023	& Cha lentiti	12.2 Functions	Sequences	13.2 Introduction to Sequence	1 2 3 4	Dr Frost	RA		
4	В	25 September 2023	2000	12.3 Paramateric equations	.3 – Se	13.3 Arithmetic sequences	5 6 7	<u>Dr Frost</u>	AUTUMN TERM		
5	Α	02 October 2023	: – Algebra gonometric	12.3 Algebraic fractions	Chapter 13 –	13.3 Arithmetic sequences	1 2 3 4	Dr Frost	_ {		
6	В	09 October 2023	Chapter 12 Trigo	12.5 Partial frcations 14.1 Radians	Cha	13.4 Geometric sequences	5 6 7	<u>Dr Frost</u>	Ā		
7	Α	16 October 2023	Cha	14.2 Reciprocal and inverse trigonometric functions		13.4 Geometric sequences	1 2 3 4	Dr Frost	7		
				Half term: Monday 23 October - Friday 2	9 October 2	023	,				
8	В	30 October 2023	ss &	14.2 Reciprocal and inverse trigonometric functions		15.2 Exponential and logarithmic functions	1 2 3 4	Dr Frost			
9	А	06 November 2023	entitie	14.3 Compound angles	ion 2	15.3. The product and quotient rule	4 5 6	Dr Frost	7		
10	В	13 November 2023	Trigonometric identities ntegration and different equations	14.3 Compound angles	Differentiation 2	15.3. The product and quotient rule	1 2 3 4	<u>Dr Frost</u> <u>Dr Frost</u>	TERM		
11	А	20 November 2023	igonomet tegration equations	14.4Equivalent forms for acos $θ$ + bsin $θ$	– Diffe	15.5 The Chain rule	5 6 7	Dr Frost			
12	В	27 November 2023	I – Trig – Inte ec	14.5 Equivalent forms for acos θ + bsin θ	Ŋ	15.6 The inverse functions	1 2 3 4	<u>Dr Frost</u>	AUTUMN		
13	А	04 December 2023	Chapter 14 – Trigonometric identities & Chapter 16 – Integration and differential equations	16.1 Standard integrals	Chapt	5.7 Implicit differentiation	5 6 7	<u>Dr Frost</u>	AL		
14	В	11 December 2023	Cha _l	16.2 Integration by substitution		15.8 Parametric functions	1 2 3 4	<u>Dr Frost</u>			
		CHRISTM	AS HOLIDAYS	[WC 20/12/23 TO WC 26/12/23] +bank holid	lay and trair	ning day (start back 4/01/24)					
15	Α	01 January 2024	and pter 20 – random	16.3 Integration by parts	& S	17.1 Simple root finding	1 2 3	Dr Frost			
16	В			16.4 Integration using partial fractions	– Numerical methods r 18 – Motion in two dimensions	17.2 Iterative root finding	5 6 7	<u>Dr Frost</u>	11		
17	Α	15 January 2024	Chapter 16 – Integration differential equations & Chal Probability and continuous variables	16.5 Differential equations	- Numerical me 18 – Motion in dimensions	17.3 Newton-Raphson root finding	1 2 3 4	Dr Frost	TERM		
18	В	22 January 2024	16 – In quatio and co varia	20.1 Conditional probability	- Num 18 – I dimer	17.4 Numerical integration	5 6 7	<u>Dr Frost</u>	SPRING		
19	Α	29 January 2024	Chapter 16 – lifferential equa Probability and va	20.1 Conditional probability	Chapter 17 – Ni Chapter 18 dim	18.1 Two-dimensional motion with constant acceleration	1 2 3 4	<u>Dr Frost</u>	SPR		
20	В	05 February 2024	Ch differe Proba	20.2 Modelling with probability	Chapt Cl	18.2 Two-dimensional motion with variable acceleration	5 6 7	<u>Dr Frost</u>			
				Half term: Monday 12 February - Friday 1	February 2	024					
21	А	19 February 2024	& 82	20.3 Normal distribution		18.3 Motion under gravity	1 2 3	Dr Frost			
22	В	26 February 2024	20 – Probability and s random variables & – Hypothesis testing 2	20.4 Using the Normal distribution as an approximation to the binomial	– Motion in two iensions	18.4 Motion under forces	5 6 7	<u>Dr Frost</u>	12		
23	Α	04 March 2024	robabil om vai othesis	20.4 Using the Normal distribution as an approximation to the binomial	1otion sions	19.1 Vectors in 3D	1 2 3	Dr Frost	TERM		
24	В	11 March 2024	Chapter 20 – Probability and continuous random variables & hapter 21 – Hypothesis testing	21.1 Testing correlation		19.2 Statics	5 6 7	<u>Dr fRost</u>	SPRING.		
25	Α	18 March 2024	Chapter Continuou	21.2 Testing a Normal distribution	ter	19.3 Dynamics 2	1 2 3 4	Dr Frost	SPR		
26	В	25 March 2024	cor Cha _l			19.4 Moments	5 6 7	<u>Dr Frost</u>			

26	А	15 April 2024	Consolidation and Revision		Consolidation and Revision	1 2 3 4	Dr Frost	
27	В	22 April 2024	Consolidation and Revision	Forces	Consolidation and Revision	5 6 7	<u>Dr Frost</u>	RM 1
28	Α	29 April 2024	Consolidation and Revision		Consolidation and Revision	1 2 3 4	<u>Dr Frost</u>	R TE
29	В	06 May 2024	Consolidation and Revision	<u>.</u>	Consolidation and Revision	5 6 7	<u>Dr Frost</u>	MME
30	Α	13 May 2024	Consolidation and Revision	Ch	Consolidation and Revision	1 2 3 4	Dr Frost	SU
31	В	20 May 2024	Consolidation and Revision		Consolidation and Revision	5 6 7	<u>Dr Frost</u>	

Half term: Monday 27 May - Friday 31 May 2024