# Mathematics Curriculum Intent

Our curriculum aims to ensure our students leave school prepared for a successful life after school and financial literacy is critical to this.

• The mathematics department at Todmorden High School aims to develop its students into problem solvers and reasoners, who can argue a point with mathematical evidence to support their case. The department aims for all learners to develop a 'can do' attitude as well as a love of learning mathematics. The department plan inspiring, motivating and ambitious lessons to engage all learners whilst recognising that each learner needs differing levels of support and challenge to unlock their unique potential. Students are enlightened to the purpose of their learning through a 'bigger picture', real life examples and STEM questioning.

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• Our curriculum is designed for learners to recall and apply information and so is sequenced for students to apply their skills and knowledge to new content. Reasoning throughout the curriculum encourages students to explore the beauty of mathematics and develop a curiosity about how the world works. Our curriculum aims for students to become fluent in the fundamentals of mathematics and applying this to more complex problems; complexity and the need to recall previous learning builds up throughout the curriculum. While also building resilient learners

• Support and challenge are carefully considered to aid students in reaching their unique potential, our curriculum focuses on depth rather than breadth of knowledge. Support will be offered to develop fluency further for those who are not yet sufficiently fluent and those who rapidly grasp the concepts will be challenged through rich and sophisticated problems, rather than accelerating through new content.

• Our curriculum aims to ensure our students leave school prepared for a successful life after school, and financial literacy is critical to this. Financial understanding is developed throughout the curriculum with financial examples and questions along with other real-life examples weaved into all years where relevant.



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# KS3 Autumn<br/>Term 1NumberAlgebraGeometryProbabilityRatioDataInvestigationGreen for GrowthAssessment

	School Week	1	2	3	4	5	6	7	8
ar 7	Торіс	Unit 1 Analysing o Data	& Displaying	Unit Numb	: <b>2</b> Der Skills		E	<b>Jnit 3</b> xpressions, Funct ormulae	tions &
Yea	Assessment			Unit 1 Progress Check		Unit 2 Progress Check			Unit 3 Progress Check
	Home Learning		SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS
	School Week	1	2	3	4	5	6	7	8
ar 8	Торіс	Unit 1 Number		1	Unit 2	Unit 2 Area & Volume		St	I <mark>nit 3</mark> atistics, raphs & Charts
Үеа	Assessment		Skills Knowledge Check	Unit 1 Progress Check	Skills Knowledge Check		Unit 2 Progress Check	Skills Knowledge Check	
	Home Learning		SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK

# KS3 AutumnNumberAlgebraGeometryProbabilityRatioDataTerm 1Green for GrowthAssessment

	School Week	1	2	2	3	4		Ę	5		6	6	7	8
r 9	Торіс	Unit 1		Unit	1				Unit	2		Unit	2	
Үеа	Assessment		ills owle eck	dge			En Un Tes					edge		End of Unit 2 Test
	Home Learning	PARX & aper HWK	PARX per	ά HWK	SPARX & Paper HWK	SPARX & Paper HWK			( & HWK			( & HWK	SPARX & Paper HWK	SPARX & Paper HWK

T	School Week	1		2	3	4		5		6	7	8
L 0	Торіс	Unit 1		Unit	1			Unit	2	Unit	2	
Үеа	Assessment		Skills Knowl Check	-			End Unit Test		Skills Knowl Test	edge		End of Unit 2 Test
	Home Learning	SPARX & Paper HWK	SPAR Paper	X & r HWK	SPARX & Paper HWK	SPARX & Paper HWK		RX & er HWK	SPAR Paper	X & • HWK	SPARX & Paper HWK	SPARX & Paper HWK

#### KS3 Autumn Term 2

Year

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Year

Topic

Assessment

**Home Learning** 

Unit 3

Unit 3

Check

Progress

SPARX &

Paper HWK

mn	Number Inv	A vestiga	lgebra ation	Geometr Gree	y Prot	bability wth	Ratio Asses	Data ssment
School Week		1	2	3	4	5	5 6	7
Торіс	Unit Decin Meas	nals &	Unit 4		Unit 5	Unit	5	
Assessmen	t		Skills Knowledge Check	Unit 4 Progress Check	Skills Knowledge Check		Unit 5 Progress Check	Autumn Term Assessment
Home Learr	ning SPAR TTRS	Χ&	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX TTRS	& SPARX & TTRS	SPARX & TTRS
School Week		1	2	3	4	5	5 6	7

Unit 4

Skills

Check

SPARX &

Paper HWK

Knowledge

Unit 4

Check

Progress

SPARX &

Paper HWK

Unit 5

SPARX &

Paper HWK

Autumn

SPARX &

Paper HWK

Assessment

Term

Unit 4

SPARX &

Paper HWK

Skills

Check

SPARX &

Paper HWK

Knowledge

## KS3 Autumn Term 2

Number	Alge	bra	Geometry	Probability	Ratio	Data
		Green	for Growth	Assessm	nent	

	School Week	1	2	3	4	5	6	7
ц б	Торіс	UI 3	<sup>nit</sup> Unit	: 3			Unit 4	1
ear	Assessment		Skills Knowledge Check			End of Unit 3 Test	Skills Knowledge Check	Autumn Term Assessment
Ye	Home Learning	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK

	School Week	1	2	2	3	4	5		6		7
H 6	Торіс	UI 3	nit	Unit	: 3			U n i t 4	Unit	: 4	
Year	Assessment		Skills Knowle Check	-			End of Unit 3 Test		lls owledge eck	Autum Term Assess	ın sment
	Home Learning	SPARX & Paper HWK	SPARX Paper I		SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	1	ARX & per HWK	SPARX Paper	

Number	Algebra	Geometry	Probability	Ratio	Data
Invest	igation	Green fo	r Growth	Asses	sment

	School Week	1	2	3	4	5	6
ar 7	Торіс	Unit 6	Unit 6	Unit	7 U	nit 7	
Ye	Assessment		Skills Knowledge Check	Unit 6 Progress Check	Skills Knowledge Check		Unit 7 Progress Check
	Home Learning	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS

	School Week	1	2	3	4	5	6
ar 8	Торіс	Unit 5	Unit 6	Unit 6		U	nit 7
Ye	Assessment	sessment Unit 5 Skills Progress Knowledge Check Check			Unit 6 Progress Check	Skills Knowledge Check	
	Home Learning	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK

Number	Alge	bra	Geometry	Probability	Ratio	Data
	Gree			Assessm	ent	

ш	School Week	1	2	2		3		4	5	6	
ar 9	Торіс	Unit 4		Unit	4			Unit 5		L 5	Jnit 5
Yea	Assessment		Skills Knowled Check	dge	End o Unit 4 Test					lls owledg eck	ge
	Home Learning	SPARX & Paper HWK	SPARX & Paper H		SPARX Paper		_	ARX & per HWK	SPARX & Paper HWK	ARX & oer HV	

-	School Week	1		2	3	4	5		6
0 T	Торіс	Unit 4		Unit 4		Unit 5			Unit 5
Yea	Assessment		Skill Knov Chee	wledge	d of it 4 st			Skil Kno Che	wledge
	Home Learning	SPARX & Paper HWK	SPAI Pape	RX & er HWK	ARX Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK		RX & er HWK

Number	Algebra	Geometry	Probability	Ratio Data			
Invest	igation	Green fo	r Growth	Asses	sment		

	School Week	1	2	3	4	5	6
ar 7	Торіс	Unit 8	Unit 8	U	nit 9 U	nit 9	
Yea	Assessment		Skills Knowledge Check	Unit 8 Progress Check	Skills Knowledge Check	Unit 9 Progress Check	Spring Term Assessment
	Home Learning	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS

	School Week	1	2	3	4	5	6
ar 8	Торіс	Unit 7	U n it 7	nit 8 U	nit 8		
Ye	Assessment	Skills Knowledge Check	Unit 7 Progress Check	Skills Knowledge Check		Unit 8 Progress Check	Spring Term Assessment
	Home Learning	SPARX & Paper HWK	SPARX & Paper HWK	SPARX& Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK

Number			Probability	Ratio	Data	
	Gree		for Growth	Assessm	ent	

L	School Week	1	2	3	4	5	6
L O T	Торіс	Unit 5	Unit U 6	nit 6			
Yea	Assessment	End of Unit 5 Test	Skills Knowledge Check			End of Unit 6 Test	Spring Term Assessment
	Home Learning	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK

<b>—</b>	School Week	1			2	3	4	5	6
L L L L	Торіс	Unit 5	U	nit 6		Unit 6			
Yea	Assessment	End of Unit 5 Test		Skills Knowle Check	edge			End of Unit 6 Test	Spring Term Assessment
F	Home Learning	SPARX & Paper HW	ΊK	SPARX Paper I		SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK

# KS3 Summer Term 1

Number	Algebra	Geometry	Probability	Ratio	Data
Invest	igation	Green fo	r Growth	Asses	sment

	School Week	1	2	3	4	5
ar 7	Торіс	Unit 10	Unit 10	Unit 11	Unit 11	
Yeä	Assessment	Skills Knowledge Check	Unit 10 Progress Check	Skills Knowledge Check		Unit 11 Progress Check
	Home Learning	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS

	School Week	1		2		3		4			5	
Ir 8	Торіс	Unit 9	l	Jnit 9			U 1(	nit )		U	nit 10	
Year	Assessment	Skills Knowle Check	•		Pro	nit 9 ogress neck		Skills Knowle Check	edge		Unit 10 Progress Check	
	Home Learning	SPARX Paper H		SPARX & Paper HWK		ARX & per HWk	(	SPARX Paper H			SPARX & Paper HWK	(

# KS3 Summer Term 1

Number	Alge	bra	Geometry	Probability	Ratio	Data
Gree			for Growth	Assessm	ent	

LL	School Week	1		2	3	4	5
6	Торіс	Unit 7		Unit	7	Unit 8	
Year	Assessment		Skills Knowl Check	•		d of nit 7 st	
	Home Learning	SPARX & Paper HWK	SPARX Paper		SPARX & Paper HWK	ARX & per HWK	SPARX & Paper HWK

т	School Week	1		2	3	4	5
r 9 I	Торіс	Unit 7		Unit	7		Unit 8
Үеа	Assessment		Skill Knov Chee	vledge		End of Unit 7 Assessment	
	Home Learning	SPARX & Paper HWK	SPAI Pape	RX & er HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK

<b>(S3</b> Summer Term 2		r N	umber Invest	Algebra igation	Geome	try en fo		ability	Ratio	Data ssment
	School Week	ol 1		3	4	İ	5	6	7	
	Торіс		Unit 9		Unit 10			Unit	11	
Year	Assessment			End of Y7 Assessment		Unit 1 Progra Checl	ess	Skills Knowledge Check	Unit 11 Progress Check	1
	Home Learning	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS	SPARX & TTRS		SPARX & TTRS	SPARX & TTRS	]

	School Week	1	2	3	4	5	6	7
$\infty$	Торіс	U	Init 9		Unit 10	Unit 10		
Yeal	Assessment			End of Y8 Assessment		Skills Knowledge Check	Unit 10 Progress Check	Skills Knowledge Check
F	Home Learning	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK

<b>(S3</b> Summe	Revision / Strengthen / Extend											
Term 2			Number					Geometry for Growth		Probability Assessn	Ratio nent	Data
School Week	1		1 2		2		3		4	5	6	7
O Topic	U n it 8	Unit		3			Targeted Revision	Targeted Revision			Units 1 – 8 Strengthen/Extend	
Assessment	Kno	kills nowledge check PARX & aper HWK		End of Unit 8 Test SPARX & Paper HWK				Kn	ills Iowledge Neck	End of Year 9 Assessment		
Home Learning						_	SPARX & Paper HWK		PARX & per HWK	SPARX & Paper HWK	SPARX & Paper HWK	SPARX & Paper HWK

Ŧ	School Week	-	1	2	3		4		5		6	7	
r 9 H	Торіс	opic Unit S							Targete Revisio			Units 1 Strengthen	
Үеа	Assessment Skills Knowledge Check			End Unit Test		Skills Know Chec	vleo	dge	End of Year 9 Assessmer	nt			
	Home Learning	SPARX & Paper HWK		SPARX & Paper HWK	SPARX & Paper HWH		SPARX & Paper HWK			SPARX & Paper HWK		SPARX & Paper HWK	SPARX & Paper HWK