



Wanstead High School

Education with Character

Maths Curriculum Content 2024 - 25

Key Stage 3 - Year 7, 8 & 9

Key Stage 4 - Year 10 & 11

Key Stage 5 - Year 12 & 13



Contents

3 - 4 Mathematics Year 7

5 - 6 Mathematics Year 8

7 - 8 Mathematics Year 9

9 - 10 Mathematics Year 10

11 - 12 Mathematics Foundation Year 11

13 - 14 Mathematics Higher Year 11

15 - 16 Mathematics Year 12

17 - 18 Mathematics Year 13

19 - 20 Further Mathematics Year 12

21 Further Mathematics Year 12 Year 13

Mathematics Year 7

Year 7 pupils receive 7 lessons of Mathematics each fortnight.

Mathematics is a vital part of the curriculum, pervading many other disciplines. It allows pupils to understand and make sense of a complex and ever-changing world, as well as providing the basic framework for navigating the numeracy we all encounter in our day-to-day lives.

Mathematics inspires pupils to develop Education with Character by promoting resilience through challenge and independent learning skills.

Mathematics develops skills including problem solving, reasoning and analytical thinking.

What is taught	When is it taught?	Reading list and Literacy focus (DWOTs)	Where is the curriculum ambitious?
<ul style="list-style-type: none"> • Calculations • Integer, Indices and Roots • Place Value and Rounding • Fractions and Probability • Fractions, Decimals and Percentages • Ratio and Proportion 	Autumn Term	Integer, Estimate, Product, Coprime, Percent, Denominator	<ul style="list-style-type: none"> • Working out PAYE deductions • Finding roots of large numbers by hand • Working out tolerances and safety limits • Advanced conditional probability • Complex exponential growth and decay problems • Complex ratio and multiplicative reasoning problems
<ul style="list-style-type: none"> • Expressions and Formulae • Length, Area and Volume • Constructions and Loci • Statistics • Equations and Inequalities • Geometric Reasoning 	Spring Term	Term, Expression, Frequency, Interval, Parallel, Perpendicular, Solve, Inequality, Transversal, Coefficient	<ul style="list-style-type: none"> • Working with rational polynomial expressions • Complex mensuration problems including trig to find lengths • Constructing complex loci and convex and concave polygons • Standard Deviation, Linear Interpolation and Skew • Systems of quadratic or exponential equations • Complex geometric reasoning problems including trig to find angles
<ul style="list-style-type: none"> • Sequences, Functions and Graphs • Transformations • Measures and Rates of Change 	Summer Term	Function, Geometric, Linear, Vertex, Rate, Velocity, Acceleration, Pressure	<ul style="list-style-type: none"> • Recognising, sketching and finding equations of polynomials, circles, exponential and circular functions • Complex vector geometry proof and transformations of functions • Kinematics

How are pupils informally and formally assessed?	Pupils have regular low-stakes formative mini-tests in lessons, as well as three formal summative assessments – one per term.
Developing Independent and Home Learning Skills	Sparx Maths is used for home learning tasks, as well as a platform for independent study.
Useful e-Learning Resources (e.g., web links)	www.sparxmaths.com www.drfrostmaths.com www.corbettmaths.com www.mathsgenie.co.uk

Equipment for lessons	Pens, pencils, rulers, protractors, scientific calculators. Compasses will be provided and pupils should not bring in their own for safeguarding reasons.
Enrichment activities	Weekly homework support club.
Careers curriculum	Relevant links made throughout the curriculum relevant to topics being learned.
Head of Department and email contact	Mr S Nelson s.nelson@wansteadhigh.co.uk

Mathematics Year 8

Pupils receive 7 lessons of Mathematics each fortnight.

Mathematics is a vital part of the curriculum, pervading many other disciplines. It allows pupils to understand and make sense of a complex and ever-changing world, as well as providing the basic framework for navigating the numeracy we all encounter in our day-to-day lives.

Mathematics inspires pupils to develop Education with Character by promoting resilience through challenge and independent learning skills.

Mathematics develops skills including problem solving, reasoning and analytical thinking.

What is taught	When is it taught?	Reading list and Literacy focus (DWOTs)	Where is the curriculum ambitious?
<ul style="list-style-type: none"> • Calculations • Integer, Indices and Roots • Place Value and Rounding • Fractions and Probability • Fractions, Decimals and Percentages • Ratio and Proportion 	Autumn Term	Integer, Estimate, Product, Coprime, Percent, Denominator	<ul style="list-style-type: none"> • Working out PAYE deductions • Finding roots of large numbers by hand • Working out tolerances and safety limits • Advanced conditional probability • Complex exponential growth and decay problems • Complex ratio and multiplicative reasoning problems
<ul style="list-style-type: none"> • Expressions and Formulae • Length, Area and Volume • Constructions and Loci • Statistics • Equations and Inequalities • Geometric Reasoning 	Spring Term	Term, Expression, Frequency, Interval, Parallel, Perpendicular, Solve, Inequality, Transversal, Coefficient	<ul style="list-style-type: none"> • Working with rational polynomial expressions • Complex mensuration problems including trig to find lengths • Constructing complex loci and convex and concave polygons • Standard Deviation, Linear Interpolation and Skew • Systems of quadratic or exponential equations • Complex geometric reasoning problems including trig to find angles
<ul style="list-style-type: none"> • Sequences, Functions and Graphs • Transformations • Measures and Rates of Change 	Summer Term	Function, Geometric, Linear, Vertex, Rate, Velocity, Acceleration, Pressure	<ul style="list-style-type: none"> • Recognising, sketching and finding equations of polynomials, circles, exponential and circular functions • Complex vector geometry proof and transformations of functions • Kinematics

How are pupils informally and formally assessed?

Pupils have regular low-stakes formative mini-tests in lessons, as well as three formal summative assessments – one per term.

Developing Independent and Home Learning Skills

Sparx Maths is used for home learning tasks, as well as a platform for independent study.

Useful e-Learning Resources (e.g., web links)

www.sparxmaths.com www.drfrostmaths.com www.corbettmaths.com
www.mathsgenie.co.uk

Equipment for lessons	Pens, pencils, rulers, protractors, scientific calculators. Compasses will be provided and pupils should not bring in their own for safeguarding reasons.
Enrichment activities	Weekly homework support club.
Careers curriculum	Relevant links made throughout the curriculum relevant to topics being learned.
Head of Department and email contact	Mr S Nelson s.nelson@wansteadhigh.co.uk

Mathematics Year 9

Year 9 pupils receive 8 lessons of Mathematics each fortnight.

Mathematics is a vital part of the curriculum, pervading many other disciplines. It allows pupils to understand and make sense of a complex and ever-changing world, as well as providing the basic framework for navigating the numeracy we all encounter in our day-to-day lives.

Mathematics inspires pupils to develop Education with Character by promoting resilience through challenge and independent learning skills.

Mathematics develops skills including problem solving, reasoning and analytical thinking.

What is taught	When is it taught?	Reading list and Literacy focus (DWOTs)	Where is the curriculum ambitious?
<ul style="list-style-type: none"> • Calculations • Integer, Indices and Roots • Place Value and Rounding • Fractions and Probability • Fractions, Decimals and Percentages • Ratio and Proportion 	Autumn Term	Integer, Estimate, Product, Coprime, Percent, Denominator	<ul style="list-style-type: none"> • Working out PAYE deductions • Finding roots of large numbers by hand • Working out tolerances and safety limits • Advanced conditional probability • Complex exponential growth and decay problems • Complex ratio and multiplicative reasoning problems
<ul style="list-style-type: none"> • Expressions and Formulae • Length, Area and Volume • Constructions and Loci • Statistics • Equations and Inequalities • Geometric Reasoning 	Spring Term	Term, Expression, Frequency, Interval, Parallel, Perpendicular, Solve, Inequality, Transversal, Coefficient	<ul style="list-style-type: none"> • Working with rational polynomial expressions • Complex mensuration problems including trig to find lengths • Constructing complex loci and convex and concave polygons • Standard Deviation, Linear Interpolation and Skew • Systems of quadratic or exponential equations • Complex geometric reasoning problems including trig to find angles
<ul style="list-style-type: none"> • Sequences, Functions and Graphs • Transformations • Measures and Rates of Change 	Summer Term	Function, Geometric, Linear, Vertex, Rate, Velocity, Acceleration, Pressure	<ul style="list-style-type: none"> • Recognising, sketching and finding equations of polynomials, circles, exponential and circular functions • Complex vector geometry proof and transformations of functions • Kinematics

How are pupils informally and formally assessed?	Pupils have regular low-stakes formative mini-tests in lessons, as well as three formal summative assessments – one per term.
Developing Independent and Home Learning Skills	Sparx Maths is used for home learning tasks, as well as a platform for independent study.
Useful e-Learning Resources (e.g., web links)	www.sparxmaths.com www.drfrostmaths.com www.corbettmaths.com www.mathsgenie.co.uk

Year 9 Curriculum Content Booklet 2024-25

Equipment for lessons	Pens, pencils, rulers, protractors, scientific calculators. Compasses will be provided and pupils should not bring in their own for safeguarding reasons.
Enrichment activities	Weekly homework support club.
Careers curriculum	Relevant links made throughout the curriculum relevant to topics being learned.
Head of Department and email contact	Mr S Nelson s.nelson@wansteadhigh.co.uk

GCSE Mathematics Year 10

Year 10 pupils receive 8 lessons of Mathematics each fortnight.

Mathematics is a vital part of the curriculum, pervading many other disciplines. It allows pupils to understand and make sense of a complex and ever-changing world, as well as providing the basic framework for navigating the numeracy we all encounter in our day-to-day lives.

Mathematics inspires pupils to develop Education with Character by promoting resilience through challenge and independent learning skills.

Mathematics develops skills including problem solving, reasoning and analytical thinking.

What is taught	When is it taught?	Reading list and Literacy focus (DWOTs)	Where is the curriculum ambitious?
<ul style="list-style-type: none"> • Calculations • Integer, Indices and Roots • Place Value and Rounding • Fractions and Probability • Fractions, Decimals and Percentages • Ratio and Proportion 	Autumn Term	Integer, Estimate, Product, Coprime, Percent, Denominator	<ul style="list-style-type: none"> • Working out PAYE deductions • Finding roots of large numbers by hand • Working out tolerances and safety limits • Advanced conditional probability • Complex exponential growth and decay problems • Complex ratio and multiplicative reasoning problems
<ul style="list-style-type: none"> • Expressions and Formulae • Length, Area and Volume • Constructions and Loci • Statistics • Equations and Inequalities • Geometric Reasoning 	Spring Term	Term, Expression, Frequency, Interval, Parallel, Perpendicular, Solve, Inequality, Transversal, Coefficient	<ul style="list-style-type: none"> • Working with rational polynomial expressions • Complex mensuration problems including trig to find lengths • Constructing complex loci and convex and concave polygons • Standard Deviation, Linear Interpolation and Skew • Systems of quadratic or exponential equations • Complex geometric reasoning problems including trig to find angles
<ul style="list-style-type: none"> • Sequences, Functions and Graphs • Transformations • Measures and Rates of Change 	Summer Term	Function, Geometric, Linear, Vertex, Rate, Velocity, Acceleration, Pressure	<ul style="list-style-type: none"> • Recognising, sketching and finding equations of polynomials, circles, exponential and circular functions • Complex vector geometry proof and transformations of functions • Kinematics

How are pupils informally and formally assessed?	Pupils have regular low-stakes formative mini-tests in lessons, as well as three formal summative assessments – one per term.
Developing Independent and Home Learning Skills	Sparx Maths is used for home learning tasks, as well as a platform for independent study.
Useful e-Learning Resources (e.g., web links)	www.sparxmaths.com www.drfrostmaths.com www.corbettmaths.com www.mathsgenie.co.uk

Equipment for lessons	Pens, pencils, rulers, protractors, scientific calculators. Compasses will be provided and pupils should not bring in their own for safeguarding reasons.
Enrichment activities	Weekly homework support club.
Careers curriculum	Relevant links made throughout the curriculum relevant to topics being learned.
Head of Department and email contact	Mr S Nelson s.nelson@wansteadhigh.co.uk

Mathematics Year 11 Foundation

Pupils receive 8 lessons of Mathematics each fortnight.

Mathematics is a vital part of the curriculum, pervading many other disciplines. It allows pupils to understand and make sense of a complex and ever-changing world, as well as providing the basic framework for navigating the numeracy we all encounter in our day-to-day lives.

Mathematics inspires pupils to develop Education with Character by promoting resilience through challenge and independent learning skills.

Mathematics develops skills including problem solving, reasoning and analytical thinking.

What is taught	When is it taught (Terms or Half Terms)	Reading list and Literacy focus
<ul style="list-style-type: none"> Expanding double brackets revision Factorising quadratics ($a = 1$ only) Laws of indices Year 10 review week Standard form Similar shapes 	Autumn 1	Key mathematical words and phrases will be taught within lessons such as <ul style="list-style-type: none"> Coefficient Reciprocal Root Radical Power Index Base Scale Factor Prism Vector Direction Magnitude
<ul style="list-style-type: none"> Plotting quadratic, cubic, reciprocal graphs Year 10 review week Change the subject of the formula Volume of cones, pyramids (formula) Simultaneous equations including by using a graph 	Autumn 2	
<ul style="list-style-type: none"> Solving quadratic equations Column vectors and basic algebraic vectors 	Spring 1	
Revision	Spring 2	
Revision	Summer 1	
Revision	Summer 2	

How are pupils informally and formally assessed?

Pupils have regular low-stakes formative mini-tests in lessons, as well as three formal summative assessments – one per term.

Developing Independent and Home Learning Skills

Sparx Maths is used for home learning tasks, as well as a platform for independent study.

Useful e-Learning Resources (e.g., web links)

www.sparxmaths.com www.drfrostmaths.com www.corbettmaths.com
www.mathsgenie.co.uk

Equipment for lessons	Pens, pencils, rulers, protractors, scientific calculators. Compasses will be provided and pupils should not bring in their own for safeguarding reasons.
Enrichment activities	Weekly homework support club.
Careers curriculum	Relevant links made throughout the curriculum relevant to topics being learned.
Head of Department and email contact	Mr S Nelson s.nelson@wansteadhigh.co.uk

Mathematics Year 11 Higher

Pupils receive 8 lessons of Mathematics each fortnight.

Mathematics is a vital part of the curriculum, pervading many other disciplines. It allows pupils to understand and make sense of a complex and ever-changing world, as well as providing the basic framework for navigating the numeracy we all encounter in our day-to-day lives.

Mathematics inspires pupils to develop Education with Character by promoting resilience through challenge and independent learning skills.

Mathematics develops skills including problem solving, reasoning and analytical thinking.

What is taught	When is it taught (Terms or Half Terms)	Reading list and Literacy focus
<ul style="list-style-type: none"> • Changing the subject (advanced) • Expanding triple brackets • Algebraic proof • Year 10 review week • Vectors 	Autumn Half Term 1	Key mathematical words and phrases will be taught within lessons such as <ul style="list-style-type: none"> • Coefficient • Reciprocal • Root • Radical • Power • Index • Base • Scale Factor • Prism • Vector • Direction • Magnitude • Frustum • Iteration • Composite • Invers
<ul style="list-style-type: none"> • Proportion equation problems • Year 10 review week • Functions including inverse and composite • Iteration • Trig graphs, exact values and equations • Graph transformations 	Autumn Half Term 2	
<ul style="list-style-type: none"> • Graph of a circle • Product rule for counting • Spheres, cones, frustums 	Spring Half Term 1	
Revision	Spring Half Term 2	
Revision	Summer Half Term 1	
Revision	Summer Half Term 2	

How are pupils informally and formally assessed?

Pupils have regular low-stakes formative mini-tests in lessons, as well as three formal summative assessments – one per term.

Developing Independent and Home Learning Skills

Sparx Maths is used for home learning tasks, as well as a platform for independent study.

How are pupils informally and formally assessed?

Pupils have regular low-stakes formative mini-tests in lessons, as well as three formal summative assessments – one per term.

Equipment for lessons

Pens, pencils, rulers, protractors, scientific calculators. Compasses will be provided and pupils should not bring in their own for safeguarding reasons.

Enrichment activities	Weekly homework support club.
Careers curriculum	Relevant links made throughout the curriculum relevant to topics being learned.
Head of Department and email contact	Mr S Nelson s.nelson@wansteadhigh.co.uk

A Level Mathematics - Year 12

Pupils receive 9 lessons of Mathematics each fortnight.

Mathematics is a vital part of the curriculum, pervading many other disciplines. It allows pupils to understand and make sense of a complex and ever-changing world, as well as providing the basic framework for navigating the numeracy we all encounter in our day-to-day lives.

Mathematics inspires pupils to develop Education with Character by promoting resilience through challenge and independent learning skills.

Mathematics develops skills including problem solving, reasoning and analytical thinking.

What is taught	When is it taught (Terms or Half Terms)	Reading list and Literacy focus
<ul style="list-style-type: none"> Complex numbers: Introduction Argand diagram: Complex numbers Matrices: Introduction Linear transformation by using matrices 	Autumn 1	Key mathematical words and phrases will be taught within lessons such as: <ul style="list-style-type: none"> Root Factor Critical Value Measure Central Tendency Location Dispersion Spread Linear Interpolation Extrapolation Interpolation Perpendicular Reciprocal Binomial Derivative Integral Limit Projectile Stationary Dynamic Static Exponential Logarithm Vector Scalar Displacement Radian
<ul style="list-style-type: none"> Teaching prerequisites Series Roots of polynomials Proof by induction 	Autumn 2	
<ul style="list-style-type: none"> Teaching prerequisites Volume of revolution Vectors FM1: Momentum and impulse FM1: Work, power and energy D1: Algorithms D1: Graphs and network 	Spring 1	
<ul style="list-style-type: none"> FM1: Work, power and energy continued FM1: Elastic strings and springs D1: Algorithms on graphs D1: Root inspection 	Spring 2	
<ul style="list-style-type: none"> FM1: Elastic collision in one dimension FM1: Elastic collision in two dimensions D1: Linear programming D1: The simplex algorithm 	Summer 1	
<ul style="list-style-type: none"> FM1: Elastic collision in two dimensions (continued) D1: Critical path analysis Revision for mock exam 	Summer 2	

How are pupils informally and formally assessed?

Pupils have regular low-stakes formative mini-tests in lessons, as well as three formal summative (Challenge Week) assessments – 1 per term.

Developing Independent and Home Learning Skills	We use the Sparx Maths for home learning tasks, as well as a platform for independent study.
Useful e-Learning Resources (e.g., web links)	www.uplearn.co.uk www.drfrostmaths.com www.physicsandmathstutor.com www.mathsgenie.co.uk
Equipment for lessons	Pens, pencils, rulers, protractors, scientific calculators. Compasses will be provided and pupils should not bring in their own for safeguarding reasons.
Enrichment activities	Weekly homework support club.
Careers curriculum	Relevant links made throughout the curriculum relevant to topics being learned.
Head of Department and email contact	Mr S Nelson s.nelson@wansteadhigh.co.uk

A Level Mathematics - Year 13

Pupils receive 10 lessons of Mathematics each fortnight.

Mathematics is a vital part of the curriculum, pervading many other disciplines. It allows pupils to understand and make sense of a complex and ever-changing world, as well as providing the basic framework for navigating the numeracy we all encounter in our day-to-day lives.

Mathematics inspires pupils to develop Education with Character by promoting resilience through challenge and independent learning skills.

Mathematics develops skills including problem solving, reasoning and analytical thinking.

What is taught	When is it taught (Terms or Half Terms)	Reading list and Literacy focus
<ul style="list-style-type: none"> Sequences and series Revision of summer independent learning Reciprocal trig functions Trig and modelling Exponential correlation and hypothesis testing (PMCC) Conditional probability Normal distribution 	Autumn 1	Key mathematical words and phrases will be taught within lessons such as: <ul style="list-style-type: none"> Cosecant Secant Cotangent Regression Independent Mutually Exclusive Distribution Parameter
<ul style="list-style-type: none"> Parametric equations Differentiation Moments Forces and friction Projectiles 	Autumn 2	
<ul style="list-style-type: none"> Integration Projectiles Application of forces 	Spring 1	
<ul style="list-style-type: none"> Numeric methods Vectors Further kinematics 	Spring 2	
Revision	Summer 1	
Revision	Summer 2	

How are pupils informally and formally assessed?

Pupils have regular low-stakes formative mini-tests in lessons, as well as three formal summative assessments – 1 per term.

Developing Independent and Home Learning Skills

We use the Sparx Maths for home learning tasks, as well as a platform for independent study.

Useful e-Learning Resources (e.g., web links)

www.uplearn.co.uk
www.drfrostmaths.com
www.physicsandmathstutor.com
www.mathsgenie.co.uk

Year 12 and 13 Curriculum Content Booklet 2024-25

Equipment for lessons	Pens, pencils, rulers, protractors, scientific calculators. Compasses will be provided and pupils should not bring in their own for safeguarding reasons.
Enrichment activities	Weekly homework support club.
Careers curriculum	Relevant links made throughout the curriculum relevant to topics being learned.
Head of Department and email contact	Mr S Nelson s.nelson@wansteadhigh.co.uk

A Level Further Mathematics - Year 12

Pupils receive 9 lessons of Mathematics each fortnight.

Mathematics is a vital part of the curriculum, pervading many other disciplines. It allows pupils to understand and make sense of a complex and ever-changing world, as well as providing the basic framework for navigating the numeracy we all encounter in our day-to-day lives.

Mathematics inspires pupils to develop Education with Character by promoting resilience through challenge and independent learning skills.

Mathematics develops skills including problem solving, reasoning and analytical thinking.

What is taught	When is it taught (Terms or Half Terms)	Reading list and Literacy focus
<ul style="list-style-type: none"> Complex numbers: Introduction Argand diagram: Complex numbers Matrices: Introduction Linear transformation by using matrices 	Autumn 1	<p>Key mathematical words and phrases will be taught within lessons such as:</p> <ul style="list-style-type: none"> Root Factor Critical Value Measure Central Tendency Location Dispersion Speed Linear Interpolation Extrapolation Interpolation Perpendicular Reciprocal Binomial Derivative Integral Limit Projectile Stationary Dynamic Static Exponential Logarithm Vector Scalar Displacement Radian
<ul style="list-style-type: none"> Teaching prerequisites Series Roots of polynomials Proof by induction 	Autumn 2	
<ul style="list-style-type: none"> Teaching prerequisites Volume of revolution Vectors FM1: Momentum and impulse FM1: Work, power and energy D1: Algorithms D1: Graphs and network 	Spring 1	
<ul style="list-style-type: none"> FM1: Work, power and energy continued FM1: Elastic strings and springs D1: Algorithms on graphs D1: Root inspection 	Spring 2	
<ul style="list-style-type: none"> FM1: Elastic collision in one dimension FM1: Elastic collision in two dimensions D1: Linear programming D1: The simplex algorithm 	Summer 1	
<ul style="list-style-type: none"> FM1: Elastic collision in two dimensions (continued) D1: Critical path analysis Revision for mock exam 	Summer 2	

How are pupils informally and formally assessed?	Pupils have regular low-stakes formative mini-tests in lessons, as well as three formal summative assessments – 1 per term.
Developing Independent and Home Learning Skills	We use the Sparx Maths for home learning tasks, as well as a platform for independent study.
Useful e-Learning Resources (e.g., web links)	www.uplearn.co.uk www.drfrostmaths.com www.physicsandmathstutor.com www.mathsgenie.co.uk
Equipment for lessons	Pens, pencils, rulers, protractors, scientific calculators. Compasses will be provided and pupils should not bring in their own for safeguarding reasons.
Enrichment activities	Weekly homework support club.
Careers curriculum	Relevant links made throughout the curriculum relevant to topics being learned.
Head of Department and email contact	Mr S Nelson s.nelson@wansteadhigh.co.uk

A Level Further Mathematics - Year 13

Pupils receive 10 lessons of Mathematics each fortnight.

Mathematics is a vital part of the curriculum, pervading many other disciplines. It allows pupils to understand and make sense of a complex and ever-changing world, as well as providing the basic framework for navigating the numeracy we all encounter in our day-to-day lives.

Mathematics inspires pupils to develop Education with Character by promoting resilience through challenge and independent learning skills.

Mathematics develops skills including problem solving, reasoning and analytical thinking.

What is taught	When is it taught (Terms or Half Terms)	Reading list and Literacy focus
<ul style="list-style-type: none"> Teaching prerequisites (Trigonometry) Complex numbers: Exponential form Polar coordinates Series Hyperbolic functions 	Autumn 1	Key mathematical words and phrases will be taught within lessons such as: <ul style="list-style-type: none"> Cosecant Secant Cotangent Regression Independent Mutually Exclusive Distribution Parameter
<ul style="list-style-type: none"> Teaching prerequisites (calculus) Methods in calculus Hyperbolic functions (continued) Differential equations 	Autumn 2	
<ul style="list-style-type: none"> Teaching prerequisites (calculus) Volume of revolution Differential equations (continued) 	Spring 1	
<ul style="list-style-type: none"> Volume of revolution (continued) Modelling with differential equations Review: Core 1 	Spring 2	
<ul style="list-style-type: none"> Revision 	Summer 1	
<ul style="list-style-type: none"> Revision 	Summer 2	

How are pupils informally and formally assessed?	Pupils have regular low-stakes formative mini-tests in lessons, three formal summative assessments – 1 per term and Challenge Weeks.
Developing Independent and Home Learning Skills	We use the Sparx Maths for home learning tasks, as well as a platform for independent study.
Useful e-Learning Resources (e.g., web links)	www.uplearn.co.uk www.dr frostmaths.com www.physicsandmathstutor.com www.mathsgenie.co.uk
Equipment for lessons	Pens, pencils, rulers, protractors, scientific calculators. Compasses will be provided and pupils should not bring in their own for safeguarding reasons.
Enrichment activities	Weekly homework support club.
Careers curriculum	Relevant links made throughout the curriculum relevant to topics being learned.
Head of Department and email contact	Mr S Nelson s.nelson@wansteadhigh.co.uk