Year 7 Mathematics Learning Journey

SKILLS KNOWLEDGE AMBITION
Skegness Academy, together we achieve the extraordinary!

Maths

Topic tests:
- To be completed at the end of every topic

Addition & subtraction of fractions

Assessment 2

Year 8

Assessment 3

Constructing, measuring and using geometric notation

Developing number sense

Developing geometric reasoning

Proof

Sets and probability

Prime numbers

Fractions, decimals & percentages

Ordering integers & decimals

Assessment 1

Equations with directed numbers

Place value

Directed numbers

Equality & equivalence

Solving problems with addition & subtraction

Understanding & using algebraic notation

Fractions & percentages of amounts

Solving problems with multiplication & division

Sequences

Year 7

White Rose Maths

Home Learning
- This will be set weekly
- You will be given about 30 minutes to an hours worth of work to complete.
- You will be given classchart points for completion

Number	Algebra	Geometry	Ratio & Proportion	Statistics	Enrichment

Year 8 Mathematics Learning Journey

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Maths

Topic tests:
- To be completed at the end of every topic

Year 8

Ratio & scale

Multiplicative change

Multiply & dividing fractions

Working in the Cartesian plane

Representing data

Tables & probability

Assessment 1

Brackets, equations & inequalities

Sequences

Indices

Standard index form

Number sense

Assessment 2

Angles in parallel lines & polygons

Fractions & percentages

Area of trapezia and circles

Lines of symmetry & reflection

Handling data cycle

Measure of location

Assessment 3

Year 9

White Rose Maths

Home Learning
- This will be set weekly
- You will be given about 30 minutes to an hours worth of work to complete.
- You will be given classchart points for completion

Number	Algebra	Geometry	Ratio & Proportion	Statistics	Enrichment

Year 9 Higher Mathematics Learning Journey

Maths

Skills Checks:
- To be completed at the end of some topics

Year 9

Prime, factors and multiples

Algebraic manipulation

Accuracy and rounding

Pythagoras and trigonometry

Circles, spheres & pyramids

Termly Assessment

Review & Consolidation

Construction & loci

Geometric proofs

Proofs & formulae

Direct and indirect proportion

Percentage change

Graphical solutions of equations

Termly Assessment

Review & Consolidation

Algebraic solution of equations

Exact calculations

Fractions and decimals

Indices and standard form

Surds

Sequences

Revision

End of year Assessment

Year 10

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SKILLS KNOWLEDGE AMBITION
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Home Learning
- This will be set weekly
- You will be given about 30 minutes to an hours worth of work to complete.
- You will be given classchart points for completion

Number	Algebra	Geometry	Ratio & Proportion	Statistics	Enrichment

Year 9 Foundation Mathematics Learning Journey

Maths

Skills Checks:
- To be completed at the end of some topics

Termly Assessment

Solving equation

Year 10

Review & Consolidation

End of year Assessment

Revision

Exact calculations

Indices and standard form

Fractions and decimals

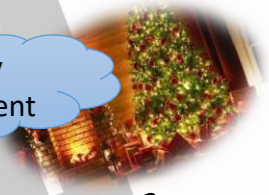
Percentage change

Direct and indirect proportion

Geometric constructions and calculations

Sequences

Review & Consolidation



Termly Assessment

Mensuration

Accuracy and rounding

Proofs and formulae

Algebraic manipulation

Prime, factors and multiples

Year 9

#SKA

SKILLS KNOWLEDGE AMBITION
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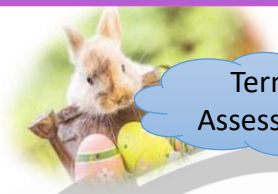
Home Learning
- This will be set weekly
- You will be given about 30 minutes to an hours worth of work to complete.
- You will be given classchart points for completion

Number	Algebra	Geometry	Ratio & Proportion	Statistics	Enrichment

Year 10 Higher Mathematics Learning Journey

Maths

Topic tests:
- To be completed at the end of every topic



Termly Assessment

Geometry Review

Processing and representing data

Collection of data (GCSE stats)

Collection of data & sampling

Organising and representing data

Probability distributions

Probability

Probability (stats GCSE)

Number Review

Algebra Review

Similar figures

Real world graphs

Straight line graphs

Algebra Review

2D and 3D representations

Trigonometry

Exact calculations

Year 10

Scatter diagrams

Summarising data

Compound units

Bivariate data

Number Review

Transformations

Non linear graphs

Straight line review

Year 11

End of year Assessment

GCSE maths revision

Home Learning
- This will be set weekly
- It will be based on topics covered in GCSE mathematics

OCR
Oxford Cambridge and RSA

Pearson Edexcel

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SKILLS KNOWLEDGE AMBITION
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Number	Algebra	Geometry	Ratio & Proportion	Statistics	Enrichment

Year 10 Foundation Mathematics Learning Journey

Maths

Topic tests:
- To be completed at the end of every topic

Termly Assessment

Geometric review

Processing & representing data (GCSE stats)

Probability (stats GCSE)

Probability

Number Review

Algebra Review

Compound units

Equations and inequalities

Termly Assessment

2D & 3D representations

Collection of data (GCSE stats)

Algebra Review

Geometric review

Year 10

Scatter diagrams

Bivariate data

Vectors

Number Review

Year 11

End of year Assessment

GCSE maths revision

Summarising data

Collecting & presenting data

Home Learning
- This will be set weekly
- It will be based on topics covered in GCSE mathematics

Pearson Edexcel

OCR Oxford Cambridge and RSA

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Number	Algebra	Geometry	Ratio & Proportion	Statistics	Enrichment

Year 11 Higher Mathematics Learning Journey

Maths

OCR
Oxford Cambridge and RSA

Pearson
Edexcel

Post 16

Non- GCSE
Statistics revision

Vectors

February PPE
& QLA

Formal Statistics
Exam

Circle Theorems

PPE Review

Formal
Mathematics
Exam

Time series

Revision

Transformations of
Graphs

Revision

October PPE
& QLA

Index numbers

Functions

Inequalities

PPE Review

Year 11

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SKILLS KNOWLEDGE AMBITION
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Home Learning

- This will be set weekly
- All work will be completed to the best of your ability which will support retrieval practice and increase your knowledge of key skills.

Number	Algebra	Geometry	Ratio & Proportion	Statistics	Enrichment

Year 11 Foundation Mathematics Learning Journey

Maths

Pearson Edexcel

OCR
Oxford Cambridge and RSA

Year 11

Post 16

Graphs

Transformations

Time series

Revision

October PPE & QLA

PPE Review

Functions & Graphs

Similar Figures

Non- GCSE Statistics revision

February PPE & QLA

PPE Review

Revision

Formal Statistics Exam

Formal Mathematics Exam

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SKILLS KNOWLEDGE AMBITION
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Home Learning

- This will be set weekly
- All work will be completed to the best of your ability which will support retrieval practice and increase your knowledge of key skills.

Number	Algebra	Geometry	Ratio & Proportion	Statistics	Enrichment

GCSE Resit Mathematics Learning Journey

OCR
Oxford Cambridge and RSA

Maths

Post 16

Accuracy

Number Sense

Direct Proportion

Rates

Ratio

October PPE & QLA

Calculation

Revision

November Formal Mathematics Exam

Equations

Inequalities

Straight Line Graphs

Fractions & Percentages

Types of number

Similarity

Shape Properties

Angle Rules

Quadratic & Other graphs

Area & Volume

Fractions

Averages

Transforming Shapes

February PPE & QLA

Right Angles Triangles

Manipulating Algebra

Sequences

Probability

Revision

Representing Data

Constructions

Summer Formal Mathematics Exam

Pass GCSE Maths

Home Learning & Practice paper

- This will be set weekly
- Practice paper will be given weekly until the November resit and then begin again in January.

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SKILLS KNOWLEDGE AMBITION
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Number	Algebra	Geometry	Ratio & Proportion	Statistics	Enrichment