Sutton House Academy – curriculum Key Stage 3 and Key Stage 4

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| **English** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| Year 7/8 | Private Peaceful | Private Peaceful | ShakespeareTempest | Non-fiction The Titanic | Creative writing –Escape from Krasnir | Novel –Oliver Twist |
| Year 9 | Novel – Stone Cold | Crfeative writing | Non-fiction Capital Punishment | Importance of English in terms of future | Play DNA or Blood Brother | Poetry |
| Year 10 | IGCSE English – intro – Nonfiction – prisons in UK and developing countries | A Christrmas Carol | Poetry | Creative Writing | R and J Shakespeare | R and J Shakespeare |
| Year 11 | An Inspector Calls | An Inspector Calls | IGSE – Revision Skills for exam | IGCSE | IGCSE Past papers |  |

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| **Mathematics** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| Year 7/8 | **Number and Arithmetic*** Add and Subtract
* Long multiplication
* Long division
* Place value (inc. decimals)
* Negative numbers
* BODMAS
* Estimation
* Rounding

Word problems | **Approximations and Powers*** Rounding recap
* Estimating recap
* Power Laws
* Roots
* Prime numbers

**Geometry 1*** Perimeter
* Area
* Volume
 | **Fractions*** Equivalent fractions
* Add/subtract fractions
* Multiply/divide factions
* Compare/order fractions and decimals
* Percentages

**Geometry 2*** 2D shape
* 3D properties
* Angle rules
* Reflection
* Rotation

Translation | **Ratio, proportion and rates of change*** Ratio word problems
* Proportion word problems
* Percentage change
* Time recap
* Money recap
* Units, measure
* Maps and scales

**Geometry 3*** Draw, measure and name acute and obtuse angles
* Find unknown angles (straight lines, at a point, vertically opposite)
* Properties of triangles and quadrilaterals

Circles | **Algebra*** Order of operations
* Simplifying algebraic expressions
* Solve word problems with expressions
* Writing and substituting formula
* Sequences (term-to-term, not nth term)
* Plotting graphs

**Probability*** Probability Scale
* Theoretical probability
* Experiments

Sets | **Statistics** * Tables, bar charts, pictograms
* Pie charts
* Correlation
* Averages and range
* Convert between percentages and fractions and decimals
* Percentage of a quantity
 |
| Year 9 | **Number and Arithmetic*** Add and Subtract
* Long multiplication
* Long division
* Place value (inc. decimals)
* Negative numbers
* BODMAS
* Estimation
* Rounding

Word problems | **Approximations and Powers*** Standard Form
* Power Laws
* Roots
* Prime numbers

**Geometry 1*** Perimeter
* Area of parallelogram
* Volume
* Pythagoras Theorem
 | **Fractions*** Equivalent fractions
* Add/subtract fractions
* Multiply/divide factions
* Compare/order fractions and decimals
* Percentages

**Geometry 2*** 2D shape
* 3D properties
* Angle rules
* Reflection
* Rotation

Translation | **Ratio, proportion and rates of change*** Ratio word problems
* Proportion word problems
* Percentage change
* Time recap
* Money recap
* Units, measure
* Maps and scales

**Geometry 3*** Draw, measure and name acute and obtuse angles
* Find unknown angles (straight lines, at a point, vertically opposite)
* Properties of triangles and quadrilaterals

Circles | **Algebra*** Order of operations
* Simplifying algebraic expressions
* Solve word problems with expressions
* Writing and substituting formula
* Sequences (term-to-term, not nth term)
* Plotting graphs

**Probability*** Probability Scale
* Theoretical probability
* Experiments

Sets | **Statistics** * Tables, bar charts, pictograms
* Line graphs
* Pie charts
* Scatter graphs
* Tables
* Averages and range
* Convert between percentages and fractions and decimals
* Comparing distribution
* Percentage of a quantity
 |
| Year 10/11 | **Number and Arithmetic*** Add and Subtract
* Long multiplication
* Long division
* Place value (inc. decimals)
* Negative numbers
* Decimal places
* Significant figures

Word problems | **Approximations and Powers*** Standard Form
* Power Laws
* Roots
* Prime numbers

**Geometry 1*** Perimeter
* Area
* Volume
* Surface Area
* Pythagoras Theorem
* Trigonometry

Circles | **Fractions*** Equivalent fractions
* Add/subtract fractions
* Multiply/divide factions
* Compare/order fractions and decimals
* Percentages

**Geometry 2*** 2D shape recap
* 3D properties recap
* Angle rules
* Polygons
* Reflection
* Rotation

Translation | **Ratio, proportion and rates of change*** Ratio Problems
* Percentage change problems
* Direct and Inverse Proportion
* Time recap
* Money recap
* Units, measure
* Maps and scales

**Geometry 3*** Draw, measure and name acute and obtuse angles
* Find unknown angles (straight lines, at a point, vertically opposite)
* Properties of triangles and quadrilaterals

Circles | **Algebra*** Order of operations
* Simplifying algebraic expressions
* Solve word problems with expressions
* Writing and substituting formula
* Sequences (term-to-term, not nth term)
* Plotting graphs

**Probability*** Theoretical probability
* Experiments

Sets | **Statistics** * Tables, bar charts, pictograms
* Line graphs
* Pie charts
* Scatter graphs
* Tables
* Averages and range
* Convert between percentages and fractions and decimals
* Percentage of a quantity
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| **Art** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| Year 7/8/9 | Looking at different styles of cartoon lettering and understanding what creates an interesting piece of work.Look at how various artists have used shading in their work.Pupils use shading pencils to make a 2D shape look 3D. | Look at previous work and consider what patterns would work when combined together.Look at how artists have used perspective to create interesting effects in their work such Escher. | Look at artwork of Islamic culture and see how it is symmetrical, rotates and repeats. Demonstrate task – how to cut out shape and use it as a template. Look back at previous work to apply patterns into the shapes.Practise using oil pastels to create the effect of animal fur. | Show examples of artists that have used printing techniques.Practise on plain paper what you want your design to look like. Use a biro pen to draw your design on a sheet of poly board.Print your design at least 4 times using different colours. | Understand how to create a 3d shape using newspaper to build up the shape. Then use mod-roc to cover the shape using a smooth technique. Understand how to create a 3d shape using newspaper to build up the shape. Then use mod-roc to cover the shape using a smooth technique.  | Paint your sculpture using acrylic paint. Consider ways you can make your work look interesting. |

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| **Humanities** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| Year 9 | Geography:What is Geography | Geography:Weather and Climate | Geography:River Flooding | Geography:Urbanisation | Geography:Kenya and Africa | Geography:Key Skills – Writing and Photos |
|  | History:Britain up to 1066 | History:The Black Death and the Middle Ages | History:Religion and the Monarchy | History:Witchcraft and Witch Hunts | History:The Industrial Revolution | History:A Study of Local History |
| Year 10/11 | Geography:Changeable Weather | Geography:Earthquakes and Volcanoes | Geography:Rivers and Flooding | Geography:Development Issues | Geography:Managing resources | Geography:Population |
|  | History:Slavery | History:History in the Media | History:WW2 | History:Northern Ireland | History:The Tudors | History:American Civil Rights |

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| **Food Technology** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| Year 9/10/11 | Introduction to preparing and cooking food using wet/dry cooking methods.Health and Hygiene | Use of equipment, recognising equipment, Labelling and food safety. | Know and Identify main food groups and how to store them correctly.Exploring different foods, nutritional benefits. | Recap previous term and designing and delivering own recipe. Plan a dinner party. | Healthy EatingLive well plates and poster design | Collecting all evidence from personal folders to create a 2 course meal using healthy recipe ideas. |