

Longton Hall Road, Longton, Stoke-on-Trent. ST3 2NJ  
Tel: 01782 882900 | Email: [office@stmca.org.uk](mailto:office@stmca.org.uk) | [www.stmca.org.uk](http://www.stmca.org.uk) | @StThomasMoreCA  
Headteacher: Mr M Rayner BA(Hons) NPQH

## Key Stage 3 DP2 revision list

English	
Year 7	Year 7 Revision List (War Horse): - Language devices and their effect - Context (World War 1/Michael Morpurgo) - Key vocabulary - Plot and key events - Characters and their role in the text
Year 8	Creative writing success criteria - Language devices and their effect - Context (post WW2/cold war/William Golding) - Key vocabulary - Plot and key events - Characters and their role in the text
Year 9	Creative writing success criteria - Language devices and their effect - Context (1920s America/gender/discrimination/The Great Depression) - Key vocabulary - Plot and key events - Characters and their role in the text
Maths	
Year 7	Predict and check the next term(s) of a sequence Continue numerical linear and non-linear sequences Substitute values into single operation expressions Substitute values into two-step expressions Understand the use fact families Solve one and two-step equations using train tracks method Simplify algebraic expressions by collecting like Recognise and use place value of any number in an integer up to one billion Round integers to the nearest power of ten Round decimal places Round to 1 significant figure Understand the meaning of percentage using a hundred square Identify and use simple equivalent fractions Convert fluently between fractions, decimals and percentages Mental strategies for addition and subtraction Use formal methods of addition for decimals Use formal methods of subtraction of decimals
	Properties of multiplication and division Understand and use factors Understand and use multiples Multiply and divide integers and decimals by powers of 10 Use formal methods to multiply integers Use formal methods to divide integers Find a fraction of a given amount Find a percentage of a given amount using a calculator Understand and use directed numbers

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	<p>Order directed numbers using lines and appropriate symbols</p> <p>Add and subtract direct numbers</p> <p>Multiplication and division of directed numbers</p> <p>Use a calculator for directed number</p> <p>Add and subtract fractions with the same denominator</p> <p>Understand and use equivalent fractions</p> <p>Add and subtract fractions where denominators share a simple common multiple</p> <p>Use equivalence to add and subtract decimals and fractions</p> <p>Recognise and identify prime numbers</p> <p>Recognise square and triangular numbers</p> <p>Write a number as a product of its prime factors</p> <p>Convert metric units</p> <p>Understand perimeter</p> <p>Solve problems using the area of rectangles and parallelograms</p> <p>Solve problems using the area of triangles</p> <p>Solve problems involving compound area</p> <p>Draw and measure line segments</p> <p>Draw angles up to 180°</p> <p>Recognise types of triangles and quadrilateral</p> <p>Identify polygons up to a decagon</p> <p>Construct triangles using SAS and ASA</p> <p>Understand and use the sum of angles</p> <p>Know and apply the sum of angles in a triangle and quadrilateral</p> <p>Solve angle problems using properties of triangles and quadrilaterals</p>
<b>Year 8</b>	<p>Understand the meaning and representation of ratio</p> <p>Understand and use ratio notation</p> <p>Divide a value into a given ratio</p> <p>Express ratios in their simplest integer form</p> <p>Solve problems involving direct proportion</p> <p>Explore conversation graphs</p> <p>Convert between currencies</p> <p>Add and subtract fractions</p> <p>Find the product of a pair of any fractions</p> <p>Work with coordinates in all 4 quadrants</p> <p>Identify and draw lines that are parallel to the axis</p> <p>Plot graphs of them form <math>y = mx + c</math></p> <p>Understand and describe linear correlation</p> <p>Round numbers to powers of 10, and 1 significant figure</p> <p>Estimate the answer to a calculation</p> <p>Calculate with money</p> <p>Form algebraic expressions</p>



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	<p>Multiply out a single bracket</p> <p>Factorise into a single bracket</p> <p>Expand multiple single brackets and simplify</p> <p>Solve two-step equations using train tracks method</p> <p>Solve equations including with brackets</p> <p>Use directed number and algebra</p> <p>Identify and use formulae, expressions, identities and equations</p> <p>Form and solve inequalities</p> <p>Generate sequences given a simple algebraic expression</p> <p>Find the rule of the nth term of a linear sequence</p> <p>Adding and subtracting expressions with indices</p> <p>Simplifying algebraic expressions by multiplying</p> <p>Simplifying algebraic expressions by dividing indices</p> <p>Using the addition and subtraction law for indices</p> <p>Calculate key fractions, decimals and percentages of an amount without a calculator</p> <p>Convert between decimals and percentages greater than 100%</p>
	<p>Calculate percentage increase and decrease using a multiplier</p> <p>Express one number as a fraction or a percentage of another without a calculator</p> <p>Work with numbers greater than 1 in standard form</p> <p>Multiply and divide numbers in standard form</p> <p>Use a calculator to work with numbers in standard form</p> <p>Understand and use basic angle rules and notation</p> <p>Identify and calculate with co-interior, alternate and corresponding angles</p> <p>Understand and use the sum of exterior angles of any polygon</p> <p>Calculate the area of triangles, rectangles and parallelograms</p> <p>Investigate the area of a circle</p> <p>Calculate the area of a circle and parts of a circle without a calculator</p> <p>Reflection (horizontal and vertical lines)</p>
<b>Year 9</b>	<p>Rounding and estimation</p> <p>Orders of operations</p> <p>Standard form</p> <p>HCF and LCM</p> <p>FDP</p> <p>Use of calculator</p> <p>Multiplying terms</p> <p>Substitution</p> <p>Solving equations – forming and solving</p>



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	Equation of a line Sequences arithmetic Ratio sharing Percentage change Percentage increase/decrease Scale factors Shapes with circles Polygons Angles point, line etc Transformations Pythagoras Trigonometry
<b>Science</b>	
<b>Year 7</b>	<a href="#">Year 7 Science Revision List</a>
<b>Year 8</b>	<a href="#">Year 8 Science Revision List</a>
<b>Year 9</b>	<a href="#">Year 9 Science Revision List</a>
<b>RE</b>	
<b>Year 7</b>	Introduction Unit Creation and Covenant Prophecy and Promise Galilee to Jerusalem Desert to Garden To the Ends of the Earth
<b>Year 8</b>	Discipleship and Role Models Vocations Islam Missionary and Sainthood
<b>Year 9</b>	Philosophy Children of God Judaism – Beliefs Judaism – Practices
<b>Music</b>	
<b>Year 7</b>	Musical Basics Musical Timeline Musical Elements
<b>Year 8</b>	Blues Film & Media Reggae
<b>Year 9</b>	What makes a good song? Hip hop & rap



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History	
<b>Year 7</b>	All key words. Skills including source provenance and chronology. Changes in Tudor Religion - <i>Catholics and Protestants</i> Historical Significance of events - <i>The Norman Conquest, the Middle Ages, the Crusades, The Tudors</i> The changes in England after 1066
<b>Year 8</b>	The Transatlantic Slave Trade - <i>The Journey to a Plantation</i> . The Industrial Revolution - <i>the changing nature of English cities in the 19<sup>th</sup> Century</i> The Rise of the British Empire. Key Events of the years 1066-1530 ( <i>Normans, the Middle Ages and the Tudor Reformation</i> ). All key words. Skills including source provenance and chronology
<b>Year 9</b>	All key words. Skills including source provenance and chronology. The Development of the Civil Rights movement in the USA. The Causes of WWII Historical Significance of events - <i>the Crusades, The Tudors, Transatlantic Slave Trade, fighting for Democracy, The Holocaust and the End of WWI</i>
Geography	
<b>Year 7</b>	Weather and Climate People of the UK Geographical Skills
<b>Year 8</b>	Tropical Rainforests Globalisation Natural Hazards (Tectonics & Tropical Storms)
<b>Year 9</b>	Natural Hazards Global Issues
French	
<b>Year 7</b>	School (opinions on subjects, school day, uniform, school facilities. Free time (sports, jouer/faire, weather and frequency words, future tense)
<b>Year 8</b>	Food and healthy living (foods you like/dislike, mealtimes, healthy and unhealthy food) Home and Town (Daily routine, telling the time, rooms of the house, places in town, past tense with avoir)
<b>Year 9</b>	Jobs (Names of jobs, personal qualities, future plans) Customs and festivals (favourite celebrations, names of festivals)

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German	
Year 9	School (opinions on subjects, school day, uniform, school facilities Free time (sports, future tense, film and TV)
Technology	
Year 7	<p><b>Product Design</b> Different types of wood (hardwood, softwood, manufactured board) Tools used in Product Design Machine health and safety and parts of a machine Following a design brief, design and presentation skills and annotations Target market, who a product is aimed at.</p> <p><b>Textiles</b> Kantha-origins, themes and stitches Tie dye – ingredients and reasons for each Tools used in Textiles Sewing machine health and safety and parts of a machine</p> <p><b>Food</b> Health and safety in Food Nutrient groups Cooking methods</p> <p><b>Graphics</b> Drawing techniques – perspective and isometric. Following a design brief, design and presentation skills and annotations</p>
Year 8	<p><b>Product Design</b> Phone stand processes (Dowel Joint) Wood properties Machine health and safety and parts of machines CAD Pro's and cons, tools used in house project Ergonomics in design Following a design brief, design and presentation skills and annotations</p> <p><b>Textiles</b> Monster toy processes Felt-properties Sewing machine health and safety and parts of a sewing machine</p>

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	<p>Natural fibres, synthetic fibres and mixed fibres – sources and uses Plastic bags – environmental impact Following a design brief, design and presentation skills and annotations</p> <p><b>Food</b> Eatwell guide Health and safety in food</p> <p><b>Graphics</b> Perspective drawing Following a design brief, design and presentation skills and annotations</p>
<b>Year 9</b>	<p><b>Product Design</b> The 6r's Rethink, Reuse, Recycle, Repair, Reduce and Refuse Wood, plastic, metal properties and research (types of each) Influential design companies Ergonomics in design Soldering health &amp; safety Following a design brief, design and presentation skills and annotations Plastic water bottles – environmental impact</p> <p><b>Textiles</b> Trends Fashion logos – reasons for use Dyeing fabrics – types and ingredients Seams and hems and where they are used Sewing machine health and safety and parts of a sewing machine Heat press health and safety Following a design brief, design and presentation skills and annotations</p> <p><b>Food</b> Temperature control including storing and cooking food British and international cuisines Energy balance Food labelling Traffic light labelling Healthy eating</p> <p><b>Graphics</b></p>



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	USP SCAMPER Logos Ergonomics Rendering Product analysis
<b>Art</b>	
<b>Year 7</b>	Revise everything that they have learnt about the visual elements of art. Revise using pencil tone and blending skills, different types of pencils. Practise colour blending with pencil crayon for the coloured marble drawing activity. All information is in their class teams.
<b>Year 8</b>	Revise Gothic Architecture knowledge from term 1. Clay modelling processes and technique Mixed media drawing processes and techniques. Portrait knowledge and processes. Practical activity is drawing a tonal eye. All information is in their class teams.
<b>Year 9</b>	Revise knowledge about architecture and look at the 'I am an Architect' Youtube video for key architecture timeline. Card construction processes and techniques. Knowledge about insects. Practical activity is making a tonal drawing of a beetle. All information is in class teams

