Academic year 2020-21

Stone Lodge Academy - High School

Long Term Plan

Subject: Maths

Group	Autumn	Spring	Summer
KS3 **Red pathway** **(towards Stage 1)**	**Number** • Counting • Ordering numbers • Reading and writing no.s in numerals • Greater than / less than • Number bonds • Addition and subtraction **Measurement** • Money – recognising coins • Telling the time **Geometry & position** • half turns • Shape 2D shape	**Measurement** • Money • Days of the week / months of the year • How long does it take activities • Telling the time – o'clock/half past • Money – counting small amounts • lengths and heights- longer than, shorter than and non-standard units • Mass / capacity- heavier/lighter than, full/empty and non-standard units **Geometry & position** • half turns • shape - patterns **Number** – revision of Autumn work	Refreshing and consolidation of previous learning: **Number** • Addition & subtraction simple problem solving • Early Multiplication & division with arrays • Reading & writing numbers in words • Recognising half **Measurement** • Lengths and heights • Mass / capacity **Geometry & position** • shape - patterns and naming shapes

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KS3 **Yellow pathway** **(consolidating S1 and at S2)**	**Number:** • ordering numbers • reading and writing no.s in numerals and words • Place value 2 –digit no.s • 1 more/less than, 10 more/less than • counting in 2s, 5s and 10s • Addition & subtraction • Multiplication & Division **Measurement:** • Time – to 5 mins • Money	**Number:** • Addition & subtraction – problem solving • Fractions- thirds & quarters **Measurement:** Time • Money – combine coins to make amounts of money • Lengths & heights – measure to the nearest unit **Geometry:** • Position and turns • Properties of Shapes 2D and 3D	**Measurement:** • Weight, capacity and temperature – measure to the nearest unit **Statistics:** • Interpret simple block diagrams and tables • Record and present data using tally charts and block diagrams
KS3 **Blue and green pathways** **(consolidating S2 and at S3/4)**	**Number:** • Place value 3 and 4 digit no.s • Addition & subtraction • Multiplication & Division – more formal methods & learning times tables **Measurement:** • Time – changing between analogue & digital and 24 hour clock • Money change between £ and p	**Number:** • Fractions – three quarters, unit fractions, tenths and decimals **Measurement:** • Time • Money- problem solving and working out change • Measuring classroom and work out perimeter **Geometry:** • Marking grids on square • Lines of symmetry • Angles & pairs of lines	**Measurement:** • Solving problems for length, weight & capacity • Mixed units e.g. litres and ml **Statistics:** • Interpret bar charts, pictograms, tables and line graphs • Present data and solve problems using the above

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KS4 **Red pathway** Maths units for ASDAN Personal Progress	Unit EMNSE1 Early mathematics: developing number skills	Unit EMME1 Early mathematics: measure	Unit EMPE1 Early mathematics: position
KS4 **Purple, yellow, green and blue pathways** Yr 2 of two year rolling programme for Entry Level Mathematics (AQA 5930) Assessment in Autumn and Spring terms after learning completed for each component	Catch up (due to COVID) on **Component 2 & 3** The Four Operations (add, subtract, multiply & divide) and Ratio (mainly fractions work) Number recognition and ordering **Component 5** Calendar and time Telling the time	**Component 6 & 7** Measures and Geometry **Component 8** Statistics Reading timetables	Final assessments/retakes Projects to practice functional skills and to prepare for college