Knowledge Organiser



Lent Term

Year 7

| Topic | Independent learning and homework tasks | |
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| | MyMaths | CorbettMaths.com |
| Properties of quadrilaterals | Shape/2D and 3D shape | 2D & 3D Shapes: Names/quadrilaterals/nets /vertices, edges & faces Videos 1-5 |
| Finding areas and perimeters of rectangles, triangles, parallelograms and trapeziums | Shape/Area ofrectangles/triangles/a parallelograms/a trapezium | Area: Parallelogram/rectangle/ Trapezium/triangle Videos 44, 45, 48 & 49 Perimeter - Video 241 |
| Draw, measure and name angles | Shape/Angles/Measuring Angles | Angles: Drawing/measuring/types of Videos 28, 31 & 38 |
| Solving problems involving angles and parallel lines | Shape/Angles/Angles in Parallel lines | Angles: parallel lines (Video 25) |
| Solving Linear Equations | Algebra/Equations-linear | Equations: solving (Video 110) |
| Factorising expressions | Algebra/Algebraic Manipulation/Factorising linear | Factorisation (Video 117) |
| Rearranging formulae (basic) | Algebra/Expressions and Formulae/Rearranging 1 | Algebra: Changing the subject (Video 7) |
| Equivalent fractions and cancelling down fractions | Number/Fractions/Equivalent Fractions | Fractions: equivalent (Video 135) |
| Convert between improper fractions and mixed numbers | Number/Fractions/Improper and Mixed | Fractions: Improper to mixed/mixed to improper Videos 139-140 |
| Add and subtract fractions and mixed numbers | Number/Fractions/Adding Subtracting Fractions | Fractions: Addition same denom /addition different denom Videos 132-133 |
| Multiply and divide fractions | Number/Fractions/Multiply Divide Fractions | Fractions: Division/multiplication Videos 134 & 142 |
| Construct and interpret statistical diagrams including pictograms, bar charts, line graphs, pie charts, frequency polygons | Data/Presenting Data/ | Graphs: Bar charts/line graphs/pictograms/pie charts/frequency polygons Videos - 147,148,155,156, 160-164 |

Stretch and Challenge:



- Practise UKMT Junior Maths Challenge Past papers on: <u>https://www.ukmt.org.uk/competitions/solo/junior-mathematical-challenge/archive</u>
 - 2) Set up an account on parallel.org.uk website, using your school email address and use teacher code "ha52kh"

Lent Term Knowledge

