MONTSAYE MATHEMATICS HOME LEARNING SUPPORT Year 8 Intermediate

You currently need to do your learning from home. There is a range of resources ready for you to use on the topics you have been studying in your **Maths** lessons. The tables below contain the relevant topics on the Kerboodle website with the relevant text books and support videos.

- Work out which term we are in by checking the date.
- Work out which set you are in which will be on your timetable.
- Log onto Kerboodle using your first name initial and your surname. Your password is what you set it as (initially it is the same as your login). E.g.: Isaac Newton would be INewton. The institution code is **fry0**
- Find out which lesson you are on and watch the video that goes with that lesson (click the video icon at the top of the page). Complete the questions on the right hand page for the lesson.
- *If you need to email your teacher type their initial and surname +* ***@montsaye.northants.sch.uk*** **msmith/ msipple / jellis / gurwin / shoche / rpierce / gbaria / jmayers / tgrowcock / lfernandez**

Lessons usually include a video explaining the main ideas and then you need to follow instructions to complete some written work. Remember, if you need extra support you can go to www.mymaths.co.uk and type the code on the text book page (the links are mostly in the table), re-watch the video, email your teacher, check another source such as BBC bitesize, if you forget your password for www.mymaths.co.uk then email your teacher asking for it.

	Term 1: *Sep-Oct*	Term 2: *Nov-Dec*	Term 3: *Jan- Feb*	Term 4: *Feb-Mar*	Term 5: *Apr-May*	Term 6: *Jun-Jul*
Year 8 Intermediate **8xMa2** **8xMa3** **8yMa2** 	1a. Integers and decimals 1b. Multiplying and dividing integers 1c. Multiples and factors 1d. Prime numbers 1e. LCM and HCF 1f. Squares and cubes 1g. Square roots 1h. Cube roots 2a. Metric measure 2b. Imperial measure 2c. Perimeter and area of a rectangle 2d. Area of a triangle 2e. Area of a parallelogram and a trapezium 3a. Simplifying and substituting 3b. Indices 3c. Like terms 3d. Expanding brackets 3e. Substitution into formulae 3f. Writing a formula	4a. Ordering decimals 4b. Fractions and decimals 4c. Adding and subtracting fractions 4d. Fraction of a quantity 4e. Percentages of amounts 4f. Fractions, decimals and percentages 5a. Angles 5b. Properties of a triangle 5c. Angles in parallel lines 5d. Properties of a quadrilateral 5e. Properties of a polygon 5f. Congruent shapes 6a. Drawing straight line graphs 6b. Equation of a straight line 6c. Real life graphs 1 6d. Real life graphs 2 6e. Time series graphs 7a. Rounding 7b. Mental addition and subtraction 7c. Multiply and divide by powers of 10 7d. Mental multiplication and division 7e. Mental addition and subtraction problems 7f. Mental multiplication and division problems	8a. Planning a data collection 8b. Collecting data 8c. Pie charts 8d. Bar charts and frequency diagrams 8e. Averages 8f. Averages from frequency tables 8g. Scatter diagrams and correlation 8h. Stem and leaf diagrams 9a. Transformations 9b. Combinations of transformations 9c. Symmetry 9d. Enlargements 1 9e. Enlargements 2 10a. Solving one-step equations 10b. Solving multi-step equations 10c Equations with brackets 10d. Real life equations	11a. Written addition and subtraction 11b. Written methods of multiplication 11c. Written methods of division 11d.Order of operations 11e. Addition and subtraction problems 11f. Multiplication and division problems 11g. Calculation methods 12a. Constructing triangles 1 12b. Constructing triangles 2 12c. Bisectors 12d. Constructing perpendiculars 12e. Loci 12f. Scale drawings 12g. Bearings	13a. Term-to-term rules 13b. Position-to-term rules 13c. Sequences in context 13d. Geometric sequences 14a. 3D shapes 14b. Plans and elevations 14c. Surface area of a cuboid 14d. Volume of a cuboid 14e. Prisms	15a. Ratio 15b. Division into a given ratio 15c. Direct proportion 15d. Ratio and proportion 15e. Percentage increase and decrease 15f. Comparing proportions 16a. Listing outcomes 16b. Probability 16c. Experimental probability 16d. Theoretical and experimental probability 16e. Sets