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| Subject | Year 8 Thresholds Concepts – Summer Term | How to support students learning |
| Mathematics | **Shape**   * Construct triangles, shapes and angles. * Tessellation * Pythagoras * Work out the length of the hypotenuse in a right-angled triangle * Work out the missing length of a right-angled triangle - U385 * Show that a triangle is right angled * Use Pythagoras' theorem to solve problems - U828   **Statistical Diagrams**   * Drawing pie charts - M574 * Interpreting pie charts - M165 * Drawing line graphs - M140 * Interpreting line graphs - M183 * Drawing stem-and-leaf diagrams - M648 * Interpreting stem-and-leaf-diagrams - M210 * Finding averages from diagrams - U854 * Plotting Scatter Graphs - U199 * Interpreting Scatter Graphs - U277 * Data project   **Functional Skills**   * Time Zones * Currency Conversions * Planning a holiday | * Encourage your child to practise their times tables up to 15 at home. * Encourage your child to set their work out using the correct columns for place value. * Encourage your child to estimate answers by rounding e.g. shopping costs by rounding to the nearest £. * Encourage your child to look at where they may use negative numbers in real life. * Homework will be set on Sparx – teachers will provide your child with a login and password. Use the Sparx codes provided next to the concepts to support them when required. |