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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.
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