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.