

Subject	Year 7 Threshold Concepts – Spring Term	How to support students' learning
Mathematics	<p><b><u>Polygons</u></b></p> <ul style="list-style-type: none"> <li>• Compare and classify 2D shapes</li> </ul> <p><b><u>Lines and Angles</u></b></p> <ul style="list-style-type: none"> <li>• Classifying angles</li> <li>• Drawing and measuring angles</li> <li>• Angle rules</li> </ul> <p><b><u>Area and Perimeter</u></b></p> <ul style="list-style-type: none"> <li>• Finding the perimeter of 2D shapes</li> <li>• Finding areas of rectangles, triangles, parallelograms, trapeziums and compound shapes</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage your child to learn the names of different 2D shapes</li> <li>• Encourage your child to use the correct equipment when working with lines and angles (a pencil, ruler and protractor)</li> <li>• Encourage your child to think about where they may use different shapes in the real world and future careers using shapes.</li> <li>• Encourage them to memorise the different formulae for areas of different shapes. These will be in their exercise books</li> <li>• Use <a href="http://www.mymaths.co.uk">www.mymaths.co.uk</a> for support if needed. Teachers will have provided your child with a login and password.</li> </ul>
	<p><b><u>Ratio</u></b></p> <ul style="list-style-type: none"> <li>• Simplifying ratios</li> <li>• Sharing amounts in a given ratio</li> </ul> <p><b><u>3D Shapes</u></b></p> <ul style="list-style-type: none"> <li>• Identifying 3D shapes</li> <li>• Drawing 3D shapes using isometric paper</li> <li>• Identifying faces, edges and vertices</li> <li>• Plans and elevations</li> <li>• Nets</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage your child to think about what 3D shapes they use outside of school and encourage them to practise drawing different 3D shapes</li> <li>• Use <a href="http://www.mymaths.co.uk">www.mymaths.co.uk</a> for support if needed. Teachers will have provided your child with a login and password.</li> </ul>