

Subject	Year 10 Foundation Threshold Concepts – Summer Term	How to support students' learning
Mathematics	<u>Unit 7: Geometry</u> 7a. Perimeter, area and volume 1. Write error intervals for rounded and truncated values 2. Work out areas and perimeters of sectors of circles 3. Work out the volume and surface area of pyramids and cones 4. Work out the volume and surface area of a sphere 5. Work out the volume and surface area of composite solids <u>Unit 8: Geometry</u> 8a. Similarity and congruence in 2D 1. Understand similarity 2. Use similarity to solve angle problems 3. Find the scale factor of an enlargement 4. Use similarity to solve problems 5. Determine when two shapes are definitely not (nor may not be) similar 6. Understand the similarity of regular polygons 7. Calculate perimeters of similar shapes 8. Recognise congruent shapes 9. Use congruence to work out unknown angles	▪ Encourage your child to have the correct equipment for lessons, e.g. pen, pencil, ruler, protractor, compass, calculator. ▪ Use www.sparx.com for support if needed. Teachers will have provided your child with a login and password. Students can use the independent learning feature to review work set in lessons. ▪ Classroom notes will be available on Microsoft Teams, via the Class Notebook, after the lesson has taken place. ▪ Encourage your child to show all their working out. If they have homework online, then encourage them to write down all their working out in their homework book. ▪ Encourage your child to have the correct equipment for lessons, e.g. pen, pencil, ruler, protractor, compass, calculator. ▪ Use www.sparx.com for support if needed. Teachers will have provided your child with a login and password. Students can use the independent learning feature to review work set in lessons. ▪ Classroom notes will be available on Microsoft Teams, via the Class Notebook, after the lesson has taken place.

	<u>Financial Capabilities</u> • Understand basic tax calculations and payslips • Understand how to budget, and the terms income and expenditure • Use basic money management skills including getting a mortgage	
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