

Year 10 F	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12	Unit 13
Topic/Theme/ Focus	In this unit students will deepen their understanding of perimeter, area and volume. They will cover fundamental skill such as: Calculating the area and perimeter of rectangles, parallelograms and triangles. Know the formula for area of a triangle and rectangle Know what surface area is. Calculate the volume of a cuboid and prism.	In this unit students will learn how to interpret real life graphs including speed, distance and time. They will learn fundamental skills such as: Calculating speed Drawing distance time graphs. Interpreting distance time graphs.	In this unit students will build on their knowledge of ratio and proportion from KS3. They will learn fundamental skills such as: Using ratio notation and finding equivalent ratios. Simplifying ratios. Write ratios in the form 1:n or n:1 Share into a given ratio	In this unit students will develop their understanding of transformations and constructions. They will cover fundamental skills such as: Knowing that a column vector describes movement. Translating a shape using a column vector. Identify the scale of an enlargement. Use a compass to draw circles. Use the scale on a map.	In this unit students will further develop their understanding of interpreting and representing data. They will learn fundamental skills such as: Calculating the mean, mode, median and range. Reading and interpreting data from tables. Interpret and draw bar charts.	In this unit students will expand on their knowledge of percentages. They will learn fundamental skills such as: Express a given number as a percentage of another. Calculate simple interest in financial contexts	In this un it students will be introduced to similarity and congruence in shapes. They will learn skills such as understanding that when two shapes are congruent they are identical. That two similar polygons must have the same angles
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Key vocabulary	Perpendicular height, cross section	Speed	Ratio, proportion, equivalent	Vector, Translate, Enlarge, Scale Factor	Averages	Depreciate, annum	Congruent, similar