YEAR 11 higher

HALF TERM 4

What? **When?** **Why?**	**Lesson 1** **Learning intentions** (what can a student do at the end of the lesson)	**Lesson 2** **Learning intentions** (what can a student do at the end of the lesson)	**Lesson 3** **Learning intentions** (what can a student do at the end of the lesson)	**Lesson 4** **Learning intentions** (what can a student do at the end of the lesson)
Week 1	Dividing in a given ratio.	Ratio: given one amount	Ratio: given the difference.	Simplifying ratios including 1:n and n:1
Week 2	Ratio problems (R)	Use direct proportion in worded problems	Use inverse proportion in worded problems. Identify when two variables are in direct or inverse proportion	Calculate with pressure and density
Week 3	Angle rules (R)	Angle rules on parallel lines(R)	Understand and represent vectors**.** Use and read vector notation	Draw and understand vectors multiplied by a scalar. Recognise parallel vectors.
Week 4	Recognise when two shapes are similar or congruent	Understand and use line and rotational symmetry.	Reflect, rotate, translate shapes	Reflect, rotate, translate shapes
Week 5	Enlarge a shape by a positive integer scale factor	Enlarge a shape by a fractional scale factor	Describe transformations (inc enlargements)	Parts of a circle
Week 6	Calculate fractional parts of a circle (R)	Calculate the length of an arc (R)	Calculate the area of a sector (R)	Problem solving involving arcs and sectors.