YEAR 11 higher

HALF TERM 5

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	Draw and interpret exponential graphs	To solve linear simultaneous equations which involve adding or subtracting.	To solve linear simultaneous equations which involve multiplying one equation before adding or subtracting.	To solve linear simultaneous equations which involve multiplying both equations before adding or subtracting.
Week 2	To find the volume scale factor	To use the sine rule to find a side	To use the sine rule to find an angle	To use the cosine rule to find a side
Week 3	To use the cosine rule to find an angle	To know whether to use the sine, cosine rule, Pythagoras' theorem or SOHCAHTOA	To answer past paper questions on sine, cosine rule, Pythagoras or SOHCAHTOA.	To find composite functions
Week 4	To find inverse functions by means of function machines.	To find inverse functions by means of changing the subject.	To sketch regions closer to one point than another. Sketch regions less than a fixed distance from a fixed point.	To understand the difference between a bar chart and a histogram.
Week 5	Interpret histograms.	Find the median from a histogram	Perform geometrical proof.	To prove congruence