YEAR 11 FOUNDATION

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	Non calculator-find a % of a quantity(R) Non calculator	increase/decrease by a %(R)	Calculator-find a % of a quantity(R) Non calculator	Calulator increase/decrease by a %(R)
Week 2	Find a % increase/decrease (R)	Find one quantity as a % of another (R)	Simple interest	Past paper questions
Week 3	Plot quadratic graphs of the form $y=x^2$, $y=x^2+c$ $y=ax^2$	Solve equations and inequalities of the form $x+a=c$, $a+x=c$, $c=x+a$, $c=a+x$ where a is a real number.(R)	Solve equations and inequalities of the form $ax=b$, $b=ax$ $x/a = b$, $b=x/a$ which give both integer and non integer solutions.(R)	Solve equations and inequalities of the form $ax+b=c$, $a+bx=c$, $c=ax+b$, $c= a+bx$ where a and b are real numbers. Which give both integer and non integer solutions.
Week 4	Solve equations and inequalities of the form $a(x+b)=c$, $a(b+x)=c$, $c=a(x+b)$ $C=a(b+x)$ which give both integer and non integer solutions.	Solve equations and inequalities of the form $a(x+b)=c$, $a(b+x)=c$, $c=a(x+b)$ $C=a(b+x)$ which give both integer and non integer solutions.	Solve equations and inequalities of the form $\frac{x}{a}+b=c$	Solve equations and inequalities of the form $\frac{x}{a}+b=c$
Week 5	Solve equations of the form $\frac{x+a}{b} = c$	Form and solve equations	Find squares and square roots.	Understand and use standard mathematical formulae and formulae from other subjects
Week 6	Ratio: divide in a given ratio	Simplify ratios	Simplify to 1:n and n:1	Convert between ratios, fractions and percentages
Week 7	Ratio: given ratio and one of the quantities	Ratio: given the difference	Map scales.	Scale drawings