Year 12 Mathematical Studies Planned Summer Topic Schedule 2020

20th April INSET	
w/c 21st April	Straight line graphs Plotting in 4 quadrants Identifying horizontal and vertical lines eg y=6 and x=-1 etc Y = mx +c – plotting
w/c 27th April	Finding the equation of a line given a line on a graph Identify parallel and perpendicular lines Standards unit matching activity
w/c 4th May	Understanding CPI and RPI –students should be able to show how the indexes are used. Use the chosen index to calculate price increases.
8th May Bank Holiday	
w/c 11th May	Exchange rates – introduction to exchange rates and how they are used , including commission payments . Calculations to show the best rates, exchange rate problem questions
w/c 18th May	Revision
w/c 1st June	Assessment
w/c 8th June	Review of assessment paper
w/c 15th June	Plotting quadratic graphs starting with y = x^2 Translating graphs (plot and sketch)
w/c 22nd June	Factorising quadratics Identify the solutions to the equations and how this tie into the graph of the equation
w/c 29th June	Completing the square Using this to find the maximum / minimum points on a curve
3rd July INSET day	
w/c 6th July	Consolidation of quadratics Sketching curves using solutions and completing the square
w/c 13th July	Perimeter , area and similarity Surface area, and volume and similarity