

Year 9 (3 hours per week)

Target: to consolidate the final areas of learning covered during lockdown, complete a project using some of these areas and revise topics covered throughout the year.

Modification: removal of assessment 3 both foundation and higher papers. The students would have been sitting the assessment without having been directly taught the topics which doesn't giving them the best opportunity. If we can spend time reviewing topics already covered via Hegarty and text book learning during lockdown we can expand the learning for top set and consolidate for lower sets. Work will be differentiated for the 3 sets.

Week 1 focus: Inequalities, rounding/bounds	<ol style="list-style-type: none"> 1. Video walking students through examples and covering misconceptions. Inequalities tasks. 1. Inequalities tasks to complete independently/mini AFL 2. Rounding/bounds tasks
Week 2 focus: accuracy and estimation	<ol style="list-style-type: none"> 1. Video walking students through rounding, truncation, significant figures and misconceptions students make. Rounding/bounds tasks/mini AFL 2. Estimation tasks to complete independently. 3. Estimation tasks to complete independently/mini test AFL
Week 3 focus: rearranging formulae, solving equations	<ol style="list-style-type: none"> 1. Video walking students through the how to rearrange the different operations in a formulae and misconceptions students make. Rearranging task 2. Solving tasks to complete independently. 3. Solving tasks to complete independently/mini test AFL
Week 4 focus: ratio and proportion	<ol style="list-style-type: none"> 1. Video walking students through ratio, proportion and misconceptions students make. Ratio tasks 2. Ratio task to complete independently. 3. Proportion task to complete independently/mini test AFL
Week 5 – memri, fix up five	<ol style="list-style-type: none"> 1. Video reminding students of all topics covered this year. Memri and fix up 5 tests to review previously taught topics 2. Memri and fix up 5 tests to review previously taught topics 3. Memri and fix up 5 tests to review previously taught topics. Record new skills mastered via Hegarty
Week 6 focus: Project work T numbers	<ol style="list-style-type: none"> 1. Video going through how to start investigation work, pointers and link to resources to use. Create some T-numbers, find 10 T numbers and T-total. record the data. 2. Is there a pattern or relationship between any of the numbers in the T? Is there a pattern to the T-number and t-total? What about sequential T-numbers? Can you use algebra to describe the numbers? 3. Continue the investigation, can you describe the rule to get to the T-total? Does your rule match your predictions. If it doesn't try again and record the rules you've tried.
Week 7 focus: Project work extension task/further topics for set 1s	<ol style="list-style-type: none"> 1. Video with tips and pointers and e.g. of where they should be with the project at this point. Plan how to present findings 2. How to extend 3. Finish final version of their findings. Students can suggest what they would do to take this project further

