**Personalised Learning Checklist**

Subject: Further Maths

Year group: 12

Dear Student,

During the academy closure you have been set a number of tasks. The list below is the learning you should have completed. Your teacher will use the list to check your progress during this time. It may be used for short quizzes, mini assessments or homework. Where there are gaps your lessons will focus on improving your knowledge and understanding.

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| --- | --- | --- | --- | --- |
| Objective | My personal RAG rating (Red- do not understand, Amber- some understanding, Green- I am confident | | | Teacher RAG rating |
| 5.4 Modelling with volumes of revolutions | RED | AMBER | GREEN |  |
| 5 Mixed Exercise | RED | AMBER | GREEN |  |
| Review Exercise 1 | RED | AMBER | GREEN |  |
| 8.1 Proof by mathematical induction | RED | AMBER | GREEN |  |
| 8.2 Proving divisibility results | RED | AMBER | GREEN |  |
| 8.3 Proving statements involving matrices | RED | AMBER | GREEN |  |
| Inverse of a linear transformation | RED | AMBER | GREEN |  |
| 9.1 Equation of a line in 3-d | RED | AMBER | GREEN |  |
| 9.2 Equation of a plane | RED | AMBER | GREEN |  |
| 9.3 Scalar product | RED | AMBER | GREEN |  |
| 9.4 Angles between lines/planes | RED | AMBER | GREEN |  |
| 9.5 Points of intersection | RED | AMBER | GREEN |  |
| 9.6 Finding perpendiculars | RED | AMBER | GREEN |  |
|  | RED | AMBER | GREEN |  |