**Personalised Learning Checklist**

Subject: A-Level Mathematics

Year group: 12 - Applied

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 |
| 7.1 Hypothesis testing | RED | AMBER | GREEN |  |
| 7.2 Finding Critical values | RED | AMBER | GREEN |  |
| 7.3 One – tailed tests | RED | AMBER | GREEN |  |
| 7.4 Two – tailed tests | RED | AMBER | GREEN |  |
| Mixed Exercise 7 | RED | AMBER | GREEN |  |
| Review Exercise 1 Statistics | RED | AMBER | GREEN |  |
| Modelling in mechanics8.1 Constructing a model | RED | AMBER | GREEN |  |
| 8.2 Modelling assumptions | RED | AMBER | GREEN |  |
| 8.3 Quantities and units | RED | AMBER | GREEN |  |
| 8.4 Working with vectors | RED | AMBER | GREEN |  |
| Mixed Exercise 8 | RED | AMBER | GREEN |  |
| 9.1 Displacement – time graphs | RED | AMBER | GREEN |  |
| 9.2 Velocity – time graphs | RED | AMBER | GREEN |  |
| 9.3 Constant acceleration formulae 1 | RED | AMBER | GREEN |  |
| 9.4 Constant acceleration formulae 2 | RED | AMBER | GREEN |  |
| 9.5 Vertical motion under the gravity | RED | AMBER | GREEN |  |
| Mixed exercise 9 | RED | AMBER | GREEN |  |
| 10.1 Force diagram | RED | AMBER | GREEN |  |
| 10.2 Forces as vectors | RED | AMBER | GREEN |  |
| 10.3 Forces and acceleration | RED | AMBER | GREEN |  |
| 10.4 Motion in 2 dimensions | RED | AMBER | GREEN |  |
| 10.5 Connected particles | RED | AMBER | GREEN |  |
| 10.6 Pulleys | RED | AMBER | GREEN |  |
| Mixed Exercise 10 | RED | AMBER | GREEN |  |