**Personal Learning Checklist – Year 13 Physics – Module 5**

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| **Content** | **Specification Points** | **R** | **A** | **G** | **Response to feedback** |
| Circular Motion 1  Circular Motion 2  Circular Motion 3 | 5.2.1 – Kinematics of circular motion  5.2.2 – Centripetal force |  |  |  |  |
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| Gravitation 1  Gravitation 2 | 5.4.1 – Point and spherical masses  5.4.2 – Newton’s law of gravitation  5.4.3 – Planetary motion  5.4.4 – Gravitational potential and energy |  |  |  |  |
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| SHM 1  SHM 2 | 5.3.1 – Simple harmonic oscillations  5.3.2 – Energy of a simple harmonic oscillator  5.3.3 - Damping |  |  |  |  |
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| SHC 1  SHC 2 | 5.1.1 – Temperature  5.1.2 – Solid, liquid and gas  5.1.3 – Thermal properties of matter |  |  |  |  |
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| Brownian motion and gas laws  Gas laws 1  Gas laws 2  Gas laws (difficult) | 5.1.1 – Temperature  5.1.2 – Solid, liquid and gas  5.1.4 – Ideal gases |  |  |  |  |
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| Distances, principles and paradoxes | 5.5.3 - Cosmology |  |  |  |  |
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| Evolution of a star | 5.5.1 – Stars |  |  |  |  |
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| Spectra | 5.5.2 – EM radiation from stars |  |  |  |  |
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| Hubble’s Law | 5.5.3 - Cosmology |  |  |  |  |