**Personal Learning Checklist – Year 12 Physics – Module 4**

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| **Content** | **Specification Points** | **R** | **A** | **G** | **Response to feedback** |
| Waves 1 | 4.4.1 – Wave motion |  |  |  |  |
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| Waves 2 | 4.4.3 - Superposition |  |  |  |  |
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| EM spectrum | 4.4.2 – Electromagnetic waves |  |  |  |  |
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| Double slit interference | 4.4.3 - Superposition |  |  |  |  |
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| Stationary waves | 4.4.4 – Stationary waves |  |  |  |  |
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| Stationary waves in air columns | 4.4.4 – Stationary waves |  |  |  |  |
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| Photoelectric effect | 4.5.1 – Photons  4.5.2 – The photoelectric effect  4.5.3 – Wave-particle duality |  |  |  |  |
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| Electric charge and current | 4.1.1 – Charge  4.1.2 – Mean drift velocity  4.2.1 – Circuit symbols |  |  |  |  |
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| Electrical power | 4.2.5 - Power |  |  |  |  |
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| IV characteristics | 4.2.3 - Resistance |  |  |  |  |
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| Resistivity | 4.2.4 - Resistivity |  |  |  |  |
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| Series and parallel | 4.3.1 – Series and parallel circuits  4.3.2 – Internal resistance |  |  |  |  |
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| Potential dividers | 4.3.3 – Potential dividers |  |  |  |  |