**Personal Learning Checklist – Year 13 Physics – Module 6**

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| **Content** | **Specification Points** | **R** | **A** | **G** | **Response to feedback** |
| Capacitors 1  Capacitors 2  Capacitors 3 | 6.1.1 – Capacitors  6.1.2 – Energy  6.1.3 – Charging and discharging capacitors |  |  |  |  |
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| Electric fields | 6.2.1 – Point and spherical charges  6.2.2 – Coulomb’s law  6.2.3 – Uniform electric fields  6.2.4 – Electric potential and energy |  |  |  |  |
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| Currents in magnetic fields | 6.3.1 – Magnetic fields |  |  |  |  |
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| Charges in E and B fields | 6.3.2 – Motion of charged particles |  |  |  |  |
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| Magnetic flux and EM induction 1  Magnetic flux and EM induction 2 | 6.3.3 - Electromagnetism |  |  |  |  |
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| Structure of the nucleus | 6.4.1 – The nuclear atom |  |  |  |  |
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| Fundamental particles | 6.4.2 – Fundamental particles |  |  |  |  |
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| Nuclear decay  Radioactive decay equations | 6.4.3 - Radioactivity |  |  |  |  |
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| Fission and fusion | 6.4.4 – Nuclear fission and fusion |  |  |  |  |
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| X-rays and CAT scans  CAT scans and X-ray transmission | 6.5.1 – Using X-rays |  |  |  |  |
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| PET scans and tracers | 6.5.2 – Diagnostic methods in medicine |  |  |  |  |
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| Ultrasound | 6.5.3 – Using ultrasound |  |  |  |  |