**10-Week Plan (Year 11)**

Department: Engineering Design

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|  | **Teaching and Learning** | **Assessment** | **Independent work** |
| **W.c. Mon 21 Feb** | * The use of ICT software to produce, modify and enrich design proposals * Introduction of learning outcome 2 | * Deadline for R107 LO1 | * Continuation of coursework |
| **W.c. Mon 28 Feb** | * Isometric and oblique, exploded views, assembly drawings of developed design idea |  | * Continuation of coursework |
| **W.c. Mon 7 Mar** | * 3rd angle orthographic, scale, dimensions, materials, parts lists, sectioned of developed design idea * Labelling and annotations | * Deadline for R107 LO2 | * Continuation of coursework |
| **W.c. Mon 14 Mar** | * Introduction of learning outcome 3 * 3D shapes and rendering using sketchup, tinkercad or fusion (application to coursework unit) |  | * Continuation of coursework |
| **W.c. Mon 21 Mar** | * Introduction of learning outcome 3 * 3D shapes and rendering using sketchup, tinkercad or fusion (application to coursework unit) |  | * Continuation of coursework |
| **W.c. Mon 28 Mar** | * Assembly and animation sketchup, tinkercad or fusion (application to coursework unit) |  | * Continuation of coursework |
| **Easter** | | | |
| **W.c. Mon 18 Apr** | * Assembly and animation sketchup, tinkercad or fusion (application to coursework unit) |  | * Continuation of coursework |
| **W.c. Mon 25 Apr** | * Final improvements to R107 | * Deadline for R107 LO3 | * Continuation of coursework |
| **W.c. Mon 2 May** | * R105 Learning outcome 1 – the design cycle - identify and design. * R105 Learning outcome 1 – the design cycle – optimize and validate | * R105 past exam questions on learning outcome 1 | * Revision on the design cycle |
| **W.c. Mon 9 May** | * R105 Learning outcome 2 – requirements of a design specification | * R105 past exam questions on learning outcome 2 | * Revision of specification requirements |
| **W.c. Mon 16 May** | Engineering Exam  (re takes only) |  |  |