**EGD – GRADE 12 2021**

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| **TOPIC** | **ASSESSMENT STANDARDS** | **PORTFOLIO ASSESSMENT TASKS** |
| **PHASE 1 (30 November 2020 – 9 April 2021)** | | |
| **Mechanical Drawing** | Mechanical Analytical | **Task 1:** Two Coursework  drawings  **Task 2:** Two Coursework  drawings  **Task 3:** PAT Section A  **Task 4:** One Coursework drawing |
| Mechanical Assembly |
| Civil Floor plan with Elevations, Sectional Elevation |
| Civil Analytical |
| Two-Point Perspective |
| **PAT** | Section A-Research and design |
| **PHASE 2 (12 April 2021 – 9 July 2021)** | | |
| **Mechanical Drawings** | Isometric | **Task 5:** Two Coursework  drawings  **Task 6:** Two Coursework  drawings  **Task 7:** PAT Section B |
| Solid Geometry |
| Interpenetration & Development |
| Mechanical Assembly |
| **PAT** | Section B – Design selection and instrument drawings |
| **PHASE 3 (23 July 2021 – 15 October 2021)** | | |
| **Loci (Helix and Cams)** | Development of a Transition Piece | **Task 9:** Two Coursework drawings  **Task 10:** Two Coursework drawings  **Task 11:** PAT Section C  **Task 12: T**rials Exam  30 Aug – 17 Sept |
| Mechanisms |
| Helix, Cam |
| Spiral, Chutes, Coil spring, Square thread |
| **PAT** | Section C- Evaluation and Computer drawings |