**EGD – GRADE 12 2022**

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| **TOPIC** | **ASSESSMENT STANDARDS** | **PORTFOLIO ASSESSMENT TASKS** |
| **PHASE 1 (15 November 2021 – 11 March 2022)** | | |
| **Mechanical Drawing**  **Civil drawings** | Mechanical Analytical | **Task 1:**  One Coursework  drawing &  Controlled Test A  31 Jan – 4 Feb  **Task 2:**  Two Coursework  drawings  25 February  **Task 3:**  Controlled Test  24 Feb – 6 Mar |
| Mechanical Assembly |
| Civil Floor plan with Elevations |
| Civil Sectional Elevation |
| Civil Analytical |
| Two-Point Perspective |
| **PAT** | PAT Phase 1 | **PAT PHASE 1**  18 March |
| **PHASE 2 (14 March 2022 – 10 June 2022)** | | |
| **Mechanical Drawings** | Isometric | **Task 4:**  Two Coursework  drawings  22 April  **Task 5:**  Two Coursework  drawings  20 May  **Task 6:** June Exams  30 May – 10 June |
| Solid Geometry |
| Interpenetration & Development |
| Mechanical Assembly |
| **PAT** | PAT Phase 2 & 3 | **PAT Phase 2 & 3**  15 June |
| **PHASE 3 (13 June 2022 – 21 October 2022)** | | |
| **Loci (Helix) (Cams)** | Development of a Transition Piece | **Task 7:**  Two Coursework  drawings  5 August  **Task 8:**  Two Coursework  drawings  19 August  **Task 9:** Trials Exams  29 Aug – 16 Sept |
| Mechanisms |
| Helix, Spiral, Chutes, Coil springs, square thread |
| Cam |