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| **TOPIC** | **ASSESSMENT STANDARDS** | **PORTFOLIO ASSESSMENT TASKS** |
| **PHASE 1 (15 November 2021 – 11 March 2022)** | | |
| **Mechanics** | Vectors in two dimensions | **Task 1:** Control Test 1  31 Jan – 04 Feb  **Task 2**: Control Test 2  07 – 11 March  **Task 3:** Practical 1  16 & 18 Feb |
| Newton’s Laws of Motion |
| Newton’s Law of Universal Gravitation |
| **Matter and Materials** | Atomic Bonds |
| Intermolecular Forces |
| **PHASE 2 (14 March 2022 – 24 June 2022)** | | |
| **Waves, Sound and Light** | Geometric Optics | **Task 4:** Practical 2  10 & 12 May  **Task 5:** June Exam  13 – 24 June |
| 2D and 3D Wavefronts |
| **Matter and Materials** | Ideal Gases |
| **Chemical Change** | Quantitative Aspects of Chemical Change |
| **PHASE 3 (19 July 2022 – 11 November 2021)** | | |
| **Electricity and Magnetism** | Electrostatics | **Task 6:** Control Test 3  15 – 19 Aug  **Task 7:** Control Test 4  12 – 16 Sept  **Task 8:** October Exam  24 Oct – 11 Nov |
| Electromagnetism |
| Electric Circuits |
| **Chemical Change** | Energy and Chemical Change |
| Reaction Types (Acid-Base) |
| Reaction Type (Redox) |
| **Chemical Systems** | Development of Mining |
| Mining and Mineral Process |

**PHYSICAL SCIENCES – GRADE 11 2022**