

**ASSESSMENT OUTLINE**  
**YR12 EARTH AND ENVIRONMENTAL SCIENCE ATAR: 2021**  
**UNIT 3 AND UNIT 4**

| Assessment type   | Assessment type weighting | Assessment task weighting | When/due date/ start and submission date | Assessment task  | Syllabus content                                     |
|-------------------|---------------------------|---------------------------|--|--|--|
| Investigation     | 20%                       | 5%                        | Term 1 Week 7                            | Task 2:- Field trip: Metamorphic rocks (Bells Rapids) Investigation + <b>Validation W8</b> | Metamorphic Rocks and cross section                  |
|                   |                           | 5%                        | Term 2 Week 2                            | Task 5:- Investigation - Kalgoorlie + <b>Validation W2</b>                                 | Ores, plate tectonics, field work, mining processes  |
|                   |                           | 5%                        | Term2 Week 9                             | Task 8:- Investigation: Magma Viscosity and Lava Flows + <b>Validation W9</b>              | Volcanic activity and magma viscosity                |
|                   |                           | 5%                        | Term3 Week 4                             | Task 11:- Oceanic Circulation – Investigation + <b>Validation W6</b>                       | Thermohaline circulation and surface winds           |
| Extended Response | 10%                       | 5%                        | Term 2 Week 1                            | Task 4:- Renewable Resources – Extended Task + <b>Presentation W1</b>                      | Renewable resources and energy                       |
|                   |                           | 5%                        | Term 3 Week 1                            | Task 9:- Historical Climate Change + <b>Validation W1</b>                                  | Factors used to determine past climatic conditions   |
| Test              | 20%                       | 5%                        | Term 1 Week 5                            | Task 1:- Rocks, mineral and ores identification, and Cross Sections Test                   | Igneous rocks and mineral ID test and cross sections |
|                   |                           | 5%                        | Term 1 Week 9                            | Task 3:- Non-renewable mineral and energy resources test                                   | Non-renewable resource and energy                    |
|                   |                           | 5%                        | Term 2 Week 3                            | Task 6:- Human Activity and Ecosystem Tests  | Human activity that affects ecosystems               |



**ASSESSMENT OUTLINE**  
**YR12 EARTH AND ENVIRONMENTAL SCIENCE ATAR: 2021**  
**UNIT 3 AND UNIT 4**

---



|       |      |      |               |  |  |
|-------|------|------|---------------|--|--|
|       |      | 5%   | Term 3 Week 2 | Task 10:- Plate Tectonics and Earth Hazards test | Earth hazards - volcanoes, E/q, meteorological hazards |
| Exam  | 50%  | 20%  | Term 2 Week 6 | Task 7:- Exam – Semester 1                       | All of semester 1 content                              |
|       |      | 30%  | Term 3 Week 9 | Task 12:- Exam Semester 1 and Semester 2         | All of semester 1 and 2 content                        |
| Total | 100% | 100% |               |  |  |

**PLEASE NOTE:** ASSESSMENT DATES MAY CHANGE DUE TO SCHOOL COMMITMENTS AND CHANGES TO THE SCHOOL CALENDAR