

ECOLTECH



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Learning Management System (LMS)

PRIVATE STUDENTS

2026

OUR VISION:

The purpose of the LMS is to prepare and inspire students for a rapidly changing world by instilling in them critical thinking skills and a global perspective, and fostering independence, integrity, resilience, self-responsibility, and self-directed learning. Students will have the flexibility to progress at their own pace, from any location and at any time.

Our philosophy includes providing ongoing support to students, learning centres, and educators by building strong relationships and fostering a sense of belonging within our community.

LEARNING PATH:

Our curriculum pathway is a structured and planned sequence of educational experiences designed to help learners master specific knowledge, skills, and competencies in a particular subject. The learning pathways outline the steps and resources needed for learners to progress from a starting point to a desired level of proficiency.

1. SEQUENTIAL PROGRESSION:

Our learning pathways follow a logical sequence, with each task building on the knowledge or skills gained from the previous tasks. This ensures a gradual and systematic progression.

2. CLEAR OBJECTIVES:

Each step in our pathway for every subject aligns with the current Cambridge syllabus learning outcomes. These syllabus requirements help learners understand what they are expected to achieve.

3. VARIED LEARNING ACTIVITIES:

Our tasks incorporate a mix of learning activities, such as understanding the content which includes reading material, terminology, slides, summaries, simulations, and practical applications, exercises, and assessments.

4. ASSESSMENT AND FEEDBACK

Mechanisms for assessing a learner's progress at various points along the pathway consist of quizzes, worksheets, assignments, and exam preparation. Students need to achieve 80% in their quiz, and assignments need to be approved by group leaders in order to progress to the next task. A learner transcript is generated, showing tasks, achievements, and time spent on a learning path.

5. RESOURCES AND SUPPORT:

The learning pathway provides access to relevant learning resources, which include textbook references, articles, videos, simulations, summaries, and slides, as well as exam preparation. Support on the LMS will be available continuously by our developers to our private students.

6. RECOGNITION OF ACHIEVEMENT:

Completing a task comes with scoring points and badges.

7. RECORDS:

Our management system records all student attempts as well as the time spent on each learning path. This enables group leaders to identify "at-risk" students early enough to support them with intervention. Group leaders will also be provided with a "gradebook" for every subject in which marks can be recorded.

Ecoltech's learning pathways enable students to achieve their potential by following tasks in a "drip-feed" system. The high-quality educational material enables students to have control over their own learning and facilitate their ability to complete courses successfully.

SUBJECTS FOR CAMBRIDGE INTERNATIONAL EXAMINATIONS:

Students register per subject and receive access to the LMS learning pathway, which includes:

- ❖ Pacesetter/planner for the duration of the course
- ❖ Daily tasks
- ❖ Online content material (definitions list, slides, summaries, videos)
- ❖ Assessments (quizzes, worksheets, assignments, consolidation examinations)
- ❖ Examination preparation

PRICE: R350 per subject per month

LS (Cambridge Lower Secondary):

- Mathematics, LS 7-LS 9
- Science (Biology, Chemistry, and Physics), LS 7-LS 9
- Economic and Management Sciences (EMS), LS 7-LS 9

IGCSE (Cambridge International General Certificate of Secondary Education):

- English, First Language (0500)
- Mathematics - Extended (0580)
- Chemistry (0620)
- Physics (0625)
- Biology (0610)
- Environmental Management (0680)
- Business Studies (0450)
- Economics (0455)
- Travel & Tourism (0471)
- Psychology (0266)

AS (Cambridge International Advanced Subsidiary Level):

- English Language (9093)
- Mathematics: Pure Mathematics 1 (9709, Paper 1)
- Mathematics: Probability & Statistics 1 (9709, Paper 5)
- Chemistry (9701)
- Physics (9702)
- Biology (9700)
- Environmental Management (8291)
- Business (9609)
- Economics (9708)

SCIENCE PRACTICAL:



74 Erica Road, Heatherlands, George, Western Cape

IGCSE:

Paper 6 practical preparation for the following subjects:

0610 Biology

0620 Chemistry

0625 Physics

R950.00 per subject, which includes:

Four required practicals, four past papers (marking and discussions), tips, advice, and notes

AS Level:

Paper 3 practical preparation for the following subjects:

- 9700 Biology

- 9701 Chemistry

- 9702 Physics

R4500-00 per subject, which includes:

Complete preparation with 10 practical sessions, a practical guide, and a mock examination.

FURTHER REQUIREMENTS:

- ◇ A tutor or mentor to assist with checking, marking, and monitoring progress.
- ◇ Compulsory subjects (IGCSE & AS) for studying towards a degree:
English Language, Afrikaans Additional Language, Mathematics (Extended)
- ◇ A B-symbol on the IGCSE Extended level is the recommended requirement for a student to continue with a subject on the AS Level.
- ◇ Core and Extended examination options are available at the IGCSE level in Mathematics, Physics, Chemistry, and Biology.
(Note that an IGCSE subject taken at core cannot be taken at AS Level.)
- ◇ Physical Sciences accepted for university entry consist of both AS Chemistry and AS Physics.
- ◇ Ensure that the student's subject choices meet both the exemption requirements of Universities South Africa (USAF) and the minimum entry requirements of their field of study.

To ensure that the student can apply to a university in South Africa, ensure that they:

- Understand and meet the faculty's minimum requirements for the field of study as shown in the "admission booklets" of different universities.
- Know what grades they need to achieve to gain entrance to their degree of choice.
(Note that different departments at the same institution have different entry requirements.)

CONTACT INFORMATION:

Sanri Grobbelaar

(BSc, HED, B.Ed., and 30 years of experience)

079 638 1390

info@ecoltech.co.za

<https://ecoltech.co.za/>



Cambridge International School