

Tick one box per statement: ☐ not yet    ☐ nearly    ☐ confident.    / /

1. GAC013 Science II: Scientific Principles

GAC013 II:

1.1 The History of Science

- ☐☐☐ Demonstrate knowledge and understanding of the historical development of scientific ideas, and apply that knowledge to differentiate between the different areas of science.

1.2 The Scientific Method

- ☐☐☐ Apply the scientific method to plan and conduct scientific investigations.
- ☐☐☐ Create an investigation report following scientific and academic conventions.

1.3 The Language of Science

- ☐☐☐ Demonstrate knowledge of scientific concepts and terminology from the different areas of science.
- ☐☐☐ Demonstrate familiarity with and ability to use scientific language, units and notation correctly.

1.4 The Organization of Science

- ☐☐☐ Demonstrate knowledge and understanding of the historical development of scientific ideas, and apply that knowledge to differentiate between the different areas of science.
- ☐☐☐ Demonstrate knowledge of scientific concepts and terminology from the different areas of science.

1.5 Scientific Issues

- ☐☐☐ Discuss the contribution of scientific advances.

2. GAC023 Science III: General Science

GAC023 III:

2.1 The History, Nature and Practice of Biology

- ☐☐☐ Demonstrate knowledge and understanding of major biological concepts and ideas.
- ☐☐☐ Collaboratively plan and implement a scientific investigation following scientific and academic conventions.

2.2 The Classification of Living Things

- ☐☐☐ Demonstrate knowledge and understanding of major biological concepts and ideas.

2.3 Ecosystems

- ☐☐☐ Describe the main components of an ecosystem and the main processes that take place in it.

2.4 Earth Resources

- ☐☐☐ Identify and describe the physical, chemical and biological features of the local environment.
- ☐☐☐ Create a written report following scientific and academic conventions using Internet research.

2.5 Chemistry

- ☐☐☐ Demonstrate an understanding of atomic structure, the changes it can undergo and the use of the Periodic Table.

2.6 Chemistry and the Environment

- ☐☐☐ Explain how applications of chemistry affect the environment.

2.7 Physics

- ☐☐☐ Demonstrate an understanding of wave motion.