

Tick one box per statement: ☐ not yet ☐ nearly ☐ confident. 每条打一个勾: 尚未掌握 / 快会了 / 有把握。

1. GAC013 Science II: Scientific Principles

GAC013 科学 II: 科学原理

1.1 The History of Science 科学史

- ☐☐☐ 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 科学方法

- ☐☐☐ 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 科学的语言

- ☐☐☐ 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 科学的组织方式

- ☐☐☐ 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 科学议题

- ☐☐☐ Discuss the contribution of scientific advances.

2. GAC023 Science III: General Science

GAC023 科学 III: 综合科学

2.1 The History, Nature and Practice of Biology 生物学的历史、本质与实践

- ☐☐☐ 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 生物的分类

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

2.3 Ecosystems 生态系统

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

2.4 Earth Resources 地球资源

- ☐☐☐ 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 化学

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

2.6 Chemistry and the Environment 化学与环境

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

2.7 Physics 物理

- ☐☐☐ Demonstrate an understanding of wave motion.