

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

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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

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Apply the scientific method to plan and conduct scientific investigations.

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Create an investigation report following scientific and academic conventions.

1.3 The Language of Science

科学的语言

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Demonstrate knowledge of scientific concepts and terminology from the different areas of science.

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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

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

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Demonstrate knowledge of scientific concepts and terminology from the different areas of science.

1.5 Scientific Issues

科学议题

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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

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Demonstrate knowledge and understanding of major biological concepts and ideas.

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Collaboratively plan and implement a scientific investigation following scientific and academic conventions.

2.2 The Classification of Living Things

生物的分类

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Demonstrate knowledge and understanding of major biological concepts and ideas.

2.3 Ecosystems

生态系统

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

2.4 Earth Resources

地球资源

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Identify and describe the physical, chemical and biological features of the local environment.

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Create a written report following scientific and academic conventions using Internet research.

2.5 Chemistry

化学

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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

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Explain how applications of chemistry affect the environment.

2.7 Physics

物理

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Demonstrate an understanding of wave motion.