BIS Science Teacher Job Description

Purpose and Rationale:

To provide students with a deeper understanding of scientific concepts and the world around them.

Defined Objectives:

- To deliver lessons on various branches of science, such as biology, physics, chemistry, and earth sciences
- To deliver the New Zealand Curriculum, which includes science as one of the key learning areas. Ensuring that students engage with scientific concepts in a structured way
- To help students develop scientific skills such as problem-solving, critical thinking, hypothesis testing, and data interpretation
- To support the development of practical skills through hands-on experiments and inquiry-based learning
- To nurture students' curiosity about the natural world and encouraging them to ask questions, seek explanations, and explore new ideas
- To cater to the varying needs and abilities of students by providing differentiated learning experiences, ensuring that more advanced students are challenged, while students who need extra support are provided with tailored resources and strategies
- To give students a well-rounded understanding of how science applies to everyday life such as mathematics (through measurements, calculations, etc.), technology (in engineering or experimentation), and environmental studies (ecology and sustainability)

Measurable Outcomes:

- Assessment of Student Understanding: Measure how well students grasp scientific concepts through tests, quizzes, or written assessments that focus on the core scientific content.

- Observation of Lesson Planning: Evaluate whether the teacher consistently delivers lessons that align with the New Zealand Curriculum, ensuring that students are exposed to the full breadth of science topics.
- Feedback from Students: Surveys or informal feedback from students about how clearly and effectively they understand the material taught.
- Student Reflections: Evaluate how students demonstrate their skills through reflective tasks or portfolios that showcase their growth in scientific inquiry and critical thinking.