COURSE PLANNER

NSW SYLLABUS FOR THE AUSTRALIAN CURRICULUM: SCIENCE STAGES 4 & 5

ASSessment

Physical world

- describe the action of unbalanced forces in everyday situations (ACSSU147-149)
- evaluate the action of unbalanced forces in everyday situations (ACSSU147-149)
- describe the dynamic nature of models, theories and laws in developing an understanding of the Earth and its place in the universe (ACSSU145-146)
- explain how scientific understanding of processes that occur on and off the Earth influences the choices people make about resource use and management (ACSSU145-146)

Earth and space

- student
- describe how the development of technology and techniques has contributed to finding solutions to problems involving energy transfers and transformations (ACSSU119-120)
- student
- describe the dynamic nature of models, theories and laws in developing an understanding of the Earth and its place in the universe (ACSSU145-146)

Living world

- student
- describe the observed properties and behaviour of matter, using scientific knowledge (SC4-12ES)
- student
- describes how scientific understanding of organisms, their environments, interactions and the potential impacts of global change on species, populations and ecosystems can be used to inform decisions in conservation and management (ACSSU126-127)

Chemical world

- student
- describes how scientific understanding and technological developments have significantly changed people's understanding of the world (ACSSU124-125)
- student
- describes the characteristics of waves, including their speed, frequency and wavelength (ACSSU131-132)

SKILLS - WORKING SCIENTIFICALLY

- explores the differences between waves and transverse waves (ACSSU131-132)
- calculates speed, frequency and wavelength of waves (ACSSU131-132)

STANDARDS

- recognizes the importance of chemical reactions in the production of a range of products and consumer goods (ACSSU114-116)

Assessment:

- assessment is integrated part of teaching and learning. Well-designed assessment is integral to engaging students and structuring lessons aligned to the outcomes within a stage. Effective assessment increases student engagement in their learning and leads to enhanced student outcomes.

- students who are identified as having significant learning difficulties (ACSSU119-120)

- provides teacher feedback to students about their learning and how to improve.

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- state government and local authorities provide a range of products and consumer goods (ACSSU114-116)

- different types of chemical reactions are used to produce range of products and consumer goods (ACSSU114-116)

- understanding and technological developments have significantly changed people's understanding of the world (ACSSU124-125)

- students who are identified as having significant learning difficulties (ACSSU119-120)

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