

## Marking Criteria – Final product

Group members

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Project Title

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Assessment Key: D-ing – Developing, D – Developed, HD – Highly Developed

Performance Criteria	Peer Assessment			Teacher Assessment		
	Ding	D	HD	Ding	D	HD
<b>Knowledge and Understanding</b>						
SC4-11PW Discusses how scientific understanding and technological developments have contributed to finding solutions to problems involving energy transfers and transformations	Limited description of how energy transfers and transformations cause change in simple systems  Limited identification of different forms of energy	Moderately effective description of how energy transfers and transformations cause change in simple systems  Adequate identification of different forms of energy	Highly effective description of how energy transfers and transformations cause change in simple systems  Comprehensive identification of different forms of energy	Limited description of how energy transfers and transformations cause change in simple systems  Limited identification of different forms of energy	Moderately effective description of how energy transfers and transformations cause change in simple systems  Adequate identification of different forms of energy	Highly effective description of how energy transfers and transformations cause change in simple systems  Comprehensive identification of different forms of energy
<b>Skills</b>						
SC4-5WS Collaboratively and individually produces a plan to investigate a questions and problems - in relation to finding a sustainable solution	Identification and construction of question/s and problem/s with limited relevance and minimal credibility  Minimal evidence of clearly defined roles and little collaboration between researchers	Reasonably relevant and credible identification and construction of question/s and problem/s  Some evidence of clearly defined roles and some collaboration between researchers	Highly relevant and discriminating identification and construction of question/s and problem/s  High level of evidence of clearly defined roles and much collaboration between researchers	Identification and construction of question/s and problems/ with limited relevance and minimal credibility  Minimal evidence of clearly defined roles and little collaboration between researchers	Reasonably relevant and credible identification and construction of question/s and problem/s  Some evidence of clearly defined roles and some collaboration between researchers	Highly relevant and discriminating identification and construction of question/s and problem/s  High level of evidence of clearly defined roles and much collaboration between researchers
SC4-8WS	Ding	D	HD	Ding	D	HD
Selects and uses appropriate strategies, understanding and skills to produce creative and plausible solutions to identified problems	Simple description of a situation in which they as scientists collaborated to generate a solution to a contemporary problem	Moderately effective description of a situation in which they as scientists collaborated to generate a solution to a contemporary problem	Highly effective description of a situation in which they as scientists collaborated to generate solutions to a contemporary problem	Simple description of a situation in which they as scientists collaborated to generate a solution to a contemporary problem	Moderately effective description of a situation in which they as scientists collaborated to generate a solution to a contemporary problem	Highly effective description of a situation in which they as scientists collaborated to generate solutions to a contemporary problem

<b>Values and Attitudes</b>	Ding	D	HD	Ding	D	HD
SC4-2VA Shows a willingness to engage in finding solutions to science-related personal, social and global issues, including shaping sustainable futures.	Minimal evidence of an appreciation of the contribution of science to finding solutions to global issues relevant to their lives now and in the future	Some evidence of an appreciation of the contribution of science to finding solutions to global issues relevant to their lives now and in the future	A high level of evidence of an appreciation of the contribution of science to finding solutions to global issues relevant to their lives now and in the future	Minimal evidence of an appreciation of the contribution of science to finding solutions to global issues relevant to their lives now and in the future	Some evidence of an appreciation of the contribution of science to finding solutions to global issues relevant to their lives now and in the future	A high level of evidence of an appreciation of the contribution of science to finding solutions to global issues relevant to their lives now and in the future

**Overall comments (including quality of the presentation)**