MOVE IT!

Faculty/Group: No Faculty

Students are to design and build a mode of transport which can hold a mass of 30g, and travel at a minimum of one metre, using renewable/recycled/re-purposed materials including the energy source. This is a PERFORMANCE rubric that comments on products and processes, in which understanding was displayed.

	Expert *Value: 5*	**Proficient** *Value: 4*	**Competent** *Value: 3*	**Apprentice** *Value: 2*	**Novice** *Value: 1*
Mathematical insight MA4-1WM	Sophisticated understanding. Relates to comprehensive mathematical principles, formulas, and models.	Strong undertanding. Utilises mathematical principles, formulas or models.	Sound understanding using basic mathematical principles or models.	Basic understanding of mathematical principles.	Some or no mathematical ideas.
Reasoning SC4-4WS	Methodical, logical and thorough reasoning. Student can justify their work exceptionally.	Good approach to planning and reasoning behind the design.	Sound design, student can articulate main ideas and reasons.	Working towards providing explanations.	Lack of organisation.
Effectiveness of solution TE4-2DP	Effective and inventive solution. All details of the problem addressed creatively and uses feedback expertly.	Proficient and effective design reflects the brief. Student listened to feedback and made changes.	Sound design specifications resulting in a working model. Some use of feedback evident.	Some problems with the design but working towards a solution. may have listened to feedback.	Unworkable.
Accuracy of work	All work is accurate.	Minimal errors in the work.	Most work is accurate.	Multiple errors	Inaccurate work throughout.
Quality of presentation	Craftmanship is obvious, highly engaging and efficient design.	Proficient, creative design for the model.	Sound and effective model.	Naive and incomplete work.	Incorrect.