

STEM Applied Learning Programme

Lesson Outline

STEM Theme	Alternative Energy
Module	1 (Chemical Powered Car)
Total Hours	22

No.	Topic
1	Introduction to STEM, ALP and Scientific Thinking
2	Investigating the Material for the Model Car Chassis
3	Investigating the relationship between reactants and products and Experimental skills and techniques
4	Investigating the ideal ratio of vinegar and baking soda
5	Investigating the Aerodynamic Shape for the Model Car
6	Chemical Power Car Propulsion
7	Consolidation of their learning Trial and Redesign of the Chemical Powered Car
8	Trial and Redesign of the Chemical Powered Car Surveys
9	Preparation of the Presentation Board
10	Group presentation of project and Race Day

