

Attainment Outcomes:		Science Living Things Energy and Forces Earth and Space	Social Subjects People and Places People in the Past People in Society	Technology Understanding and Using Technology in Society Understanding and Using the Design Process		
Strand / Level	Attainment target / Learning outcomes What will the learner achieve?	Learning Activities What will the learners do?	C / Gp / Ind	Assessment / Evidence Oral, Written, Practical What evidence will you have that the learner will have achieved the target?	Level	
Preparing for tasks.	Can you demonstrate how to propel a land vehicle? What are suitable materials for your vehicle?	Discuss various methods of propulsion with children e.g. wind, motor, stored (elastic bands or balloon powered) Issue children with a remit. Discuss the properties and suitability of a selection of materials.		Children will, in pairs, produce a design for a vehicle in line with the criteria.	C	
Carrying out tasks.	Has your vehicle fulfilled the design criteria or/and did you require to adapt your model?	Children construct their vehicle according to their plans.		Children will select appropriate materials for their design. Children should modify their models during construction to ensure they are fulfilling the criteria.		
Reviewing and reporting on tasks.	How would you demonstrate that your vehicle has fulfilled the design criteria?	Discuss the notion of a fair test. Children should make suggestions as to how a fair test could be carried out:e.g. same starting point, same test surface, etc. Children test their vehicles using whatever method of propulsion they have chosen.		Children measure and record their results. Discuss the most successful – reasons why it succeeded.		
Resources :			Evaluation :			