



Activity title:	Designing a vehicle of the future
Description:	Learners create their vehicle of the future
Year groups:	KS2 Lower and Upper
Link to LNF:	<p>Writing</p> <p>Writing accurately</p> <p>* Language</p> <p>Y3/Y4/Y5/Y6</p> <p>Use language appropriate to writing, including standard forms of English.</p> <p>*Grammar, punctuation, spelling, handwriting.</p> <p>Y3</p> <ul style="list-style-type: none">• start sentences in a variety of ways• use adjectives and adverbs to expand simple sentences and phrases <p>Y4</p> <ul style="list-style-type: none">• vary the order of words, phrases and clauses in sentences• use adjectival and adverbial phrases to add interest and precision <p>Y5</p> <ul style="list-style-type: none">• use different sentence structures, including complex sentences showing relationships of time, or cause, <p>Y6</p> <ul style="list-style-type: none">• use varied sentence structures for emphasis and effect• use the full range of punctuation accurately to clarify meaning
Dylan Thomas Text:	n/a
Resources required:	<ul style="list-style-type: none">• Interactive website to show resources <p>Useful links</p> <p>Museum of Speed</p> <ul style="list-style-type: none">• http://www.carmarthenshire-pages.co.uk/attractions/museum_of_speed.html <p>Video of Babs on Pendine sands 1927</p> <ul style="list-style-type: none">• http://www.britishpathe.com/video/race-for-speed-record-1/query/race+for+speed+record <p>Video showing Designs for Cars of the Future</p> <ul style="list-style-type: none">• http://www.youtube.com/watch?v=jkDVnfzYBeA <p>Video showing Welsh solar powered car on Newsround</p> <ul style="list-style-type: none">• http://www.bbc.co.uk/newsround/20025147



<p>Suggested teaching sequence:</p>	<ul style="list-style-type: none">• Explain that when Dylan Thomas was in school in Swansea the World Land Speed record was broken by J.G Parry-Thomas in a car called Babs at Pendine Sands in South Wales. Research and discuss Babs.• Discuss what people in 1925 would think if you told them there would be vehicles that would be able to take people to the moon in the future, and cars that could reach speeds of 270 mph.• Research and discuss how vehicles are powered these days, e.g. electric cars & trains, rockets, solar powered vehicles.• Get the learners to work in groups devising vehicles of the future.• Learners to discuss the criteria in the Future Vehicle Design sheet and then fill it in.• Learners to create their own individual vehicles of the future - drawing a picture and labelling it.• Learners to write about their vehicle explaining its designed use, the materials it is made of and any special features it has.• Learners to present their vehicles to the rest of the class.
<p>Extension activities:</p>	<ul style="list-style-type: none">• Learners could create their own vehicles in a group using recycled materials.• Learners could use batteries to look at ways of powering the vehicles they create.• There are opportunities to look at scale by creating a scaled drawing of their vehicle.
<p>Modifying for other age groups:</p>	<p>n/a</p>