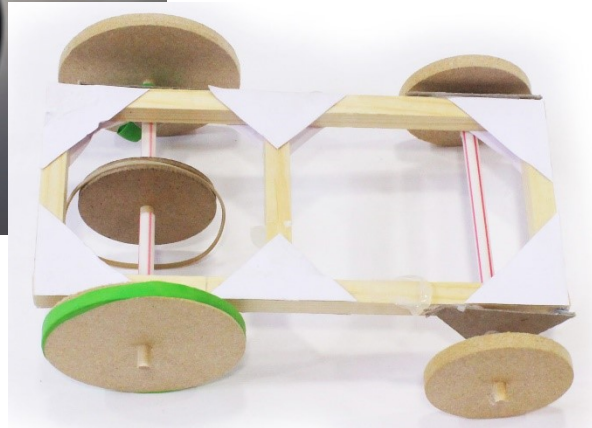


Blakesley Hall Primary School

Design and Technology portfolio for

‘Electric desert vehicle’



Teacher assessment against key skills

- I can design and make a well-finished working model that incorporates a motor by which I can control the speed and direction of movement.
- I can produce a working model which can rotate at different speeds and may include other rotating mechanisms
- I have developed criteria for judging the value of my own work and ideas or the work and ideas of others

Design Brief

You have been asked to design a new wooden prototype electric desert vehicle for TESLA. Your vehicle must run completely on electric power, using a motor. As well as looking aesthetically pleasing your prototype must be able to operate at different speeds and have a clear function in society.

Once you have made your prototype it will then be evaluated and judged by your peers to decide which car will be displayed in school.

What do you
need to
consider when
designing your
prototype?

How will I ensure that my electric vehicle is environmentally friendly?

What materials/equipment will I need to make my electric vehicle ?

My Design Information

How will it drive on sand?

How can I make my vehicle electric and also make it move?

When making my electric vehicle how will I keep myself and others safe?

My electric vehicle design

Units of measure:

A photo of me creating my electric vehicle



A photo of my finished electric vehicle



Class judging criteria

Criteria we have chosen

Who I have judged and my feedback to them

/10

Evaluation

How well has your design matched the design brief and criteria?
What would you change for next time?

What are you most proud of during this topic?

Out of 10 how successful would you rate your bag against your design brief ?

/10

Self assessment against key skills

- I can design and make a well-finished working model that incorporates a motor by which I can control the speed and direction of movement.
- I can produce a working model which can rotate at different speeds and may include other rotating mechanisms
- I have developed criteria for judging the value of my own work and ideas or the work and ideas of others