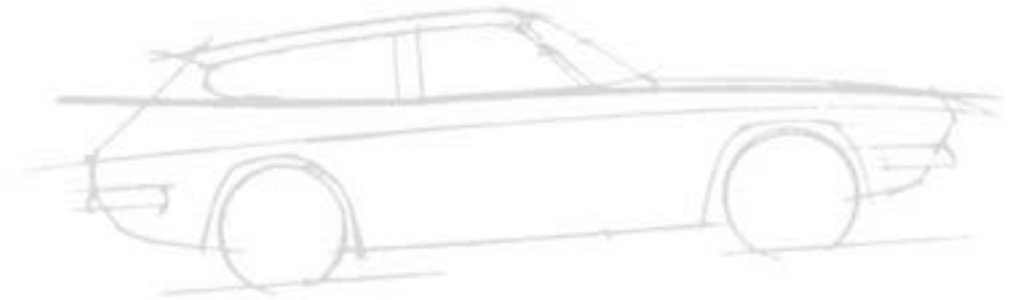
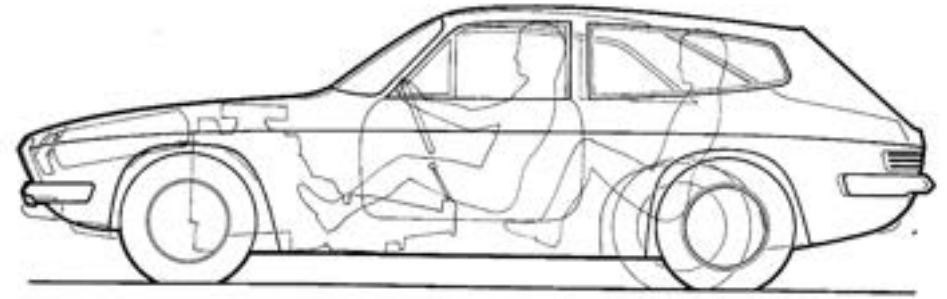


## Design Brief

To make the most environmental and aerodynamic prototype car for racing on a flat surface.



# Key Words

- Controllable
- Vehicle
- Pulley
- Belt
- Chassis
- Body
- Axle
- Wheels
- Aerodynamics



# Tom Karen

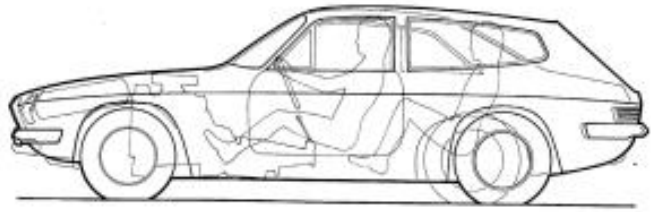
Letchworth designer, Managing Director for Ogle.

- Why was he an important designer?
- What did he design?
- How might his designs help you design your car/vehicle?





<https://www.discoverletchworth.co.uk/tom-karen-creations/>



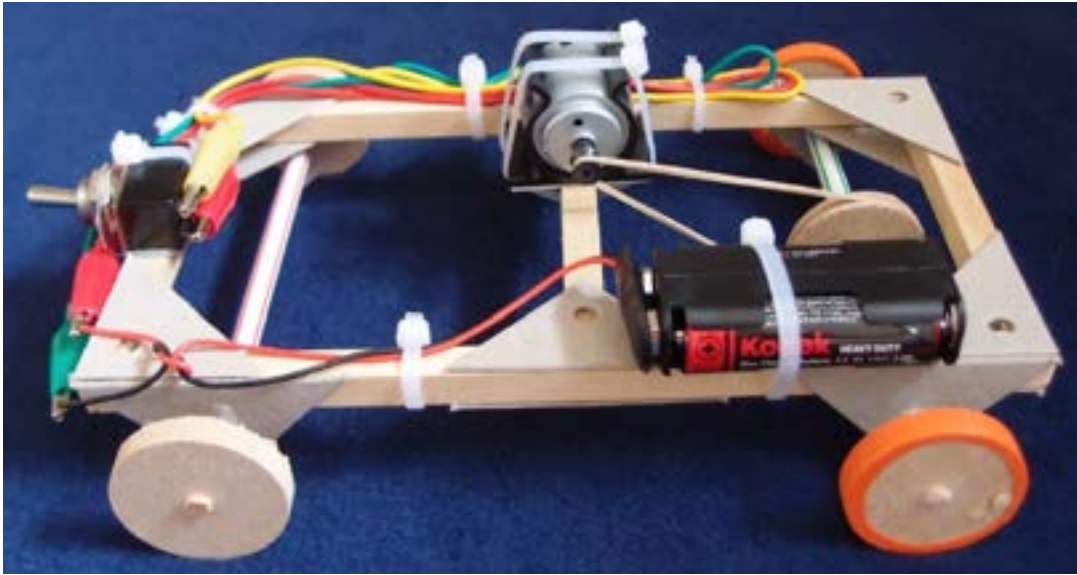


<https://www.discoverlethworth.co.uk/tom-karen-creations/>  
KS2 Video

# Key Questions

- What is a controllable vehicle?
- What other criteria does a vehicle need to be the fastest?
- What do vehicles need?
- How do we make them more environmentally friendly?
- What does this change about our cars?

LO: To create a mood board to gather ideas for a new product



body work

chassis

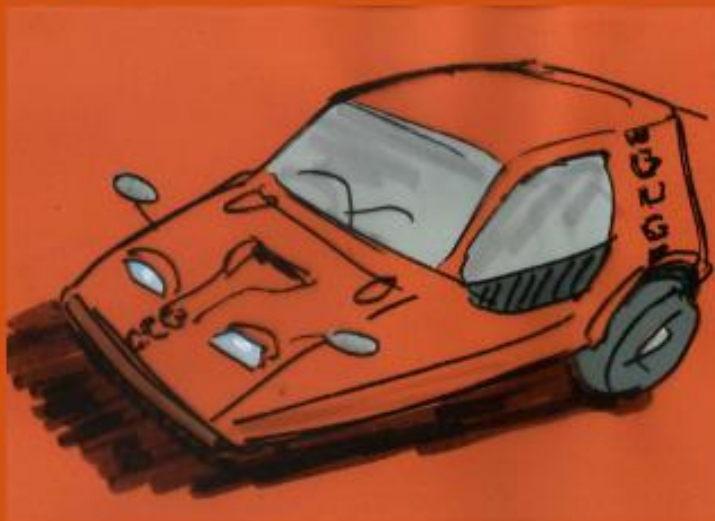
pulley    band    motor    axle  
wheels    frame    circuit    battery pack  
switch

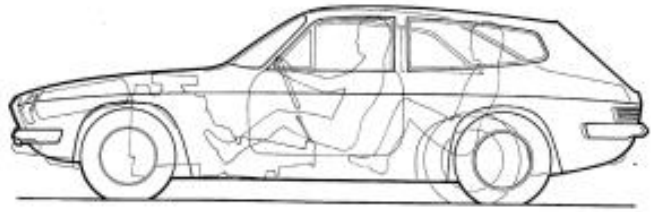


# Example Mood Board



Bond Bug Mood Board





# Future Designers, how can we be more sustainable?

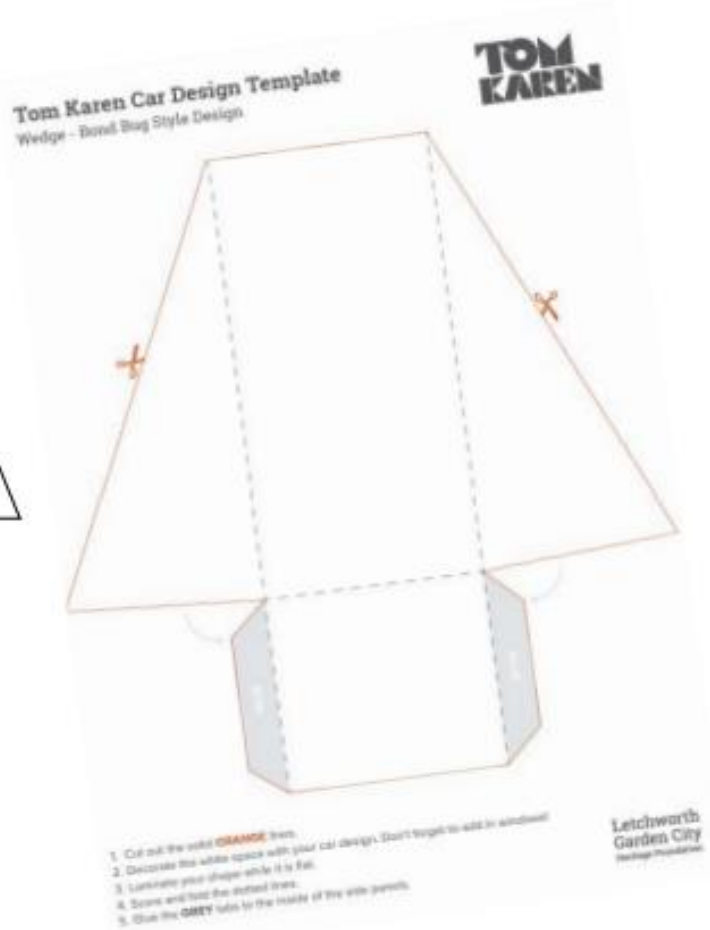
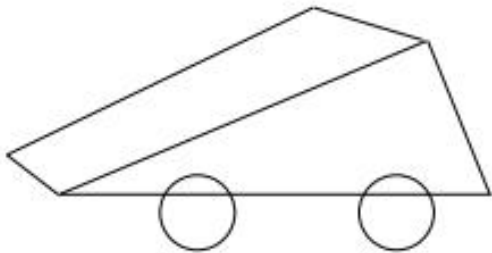


What kind of energy does your car run on?

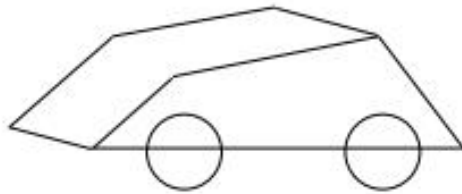
Think about the fueling or charging station as part of your vehicle design.

# Choose a template to draw the body work design

1

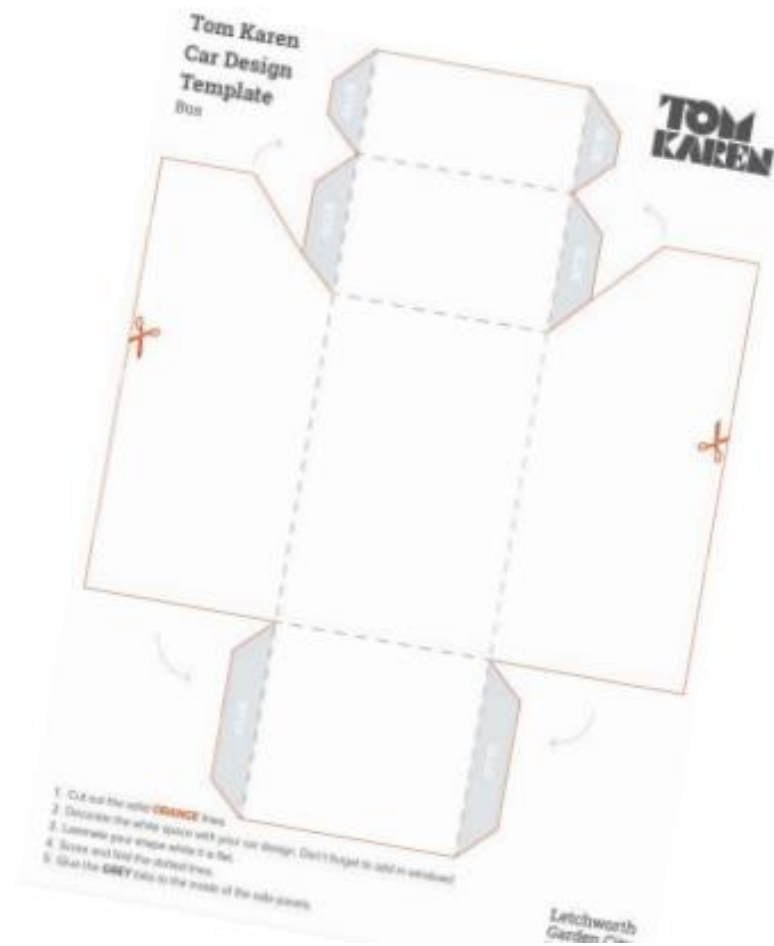
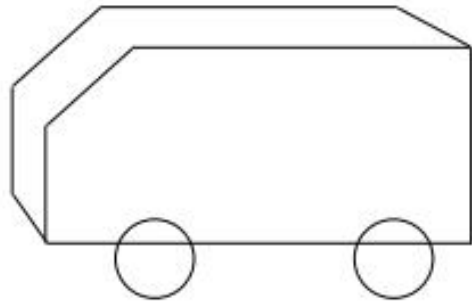


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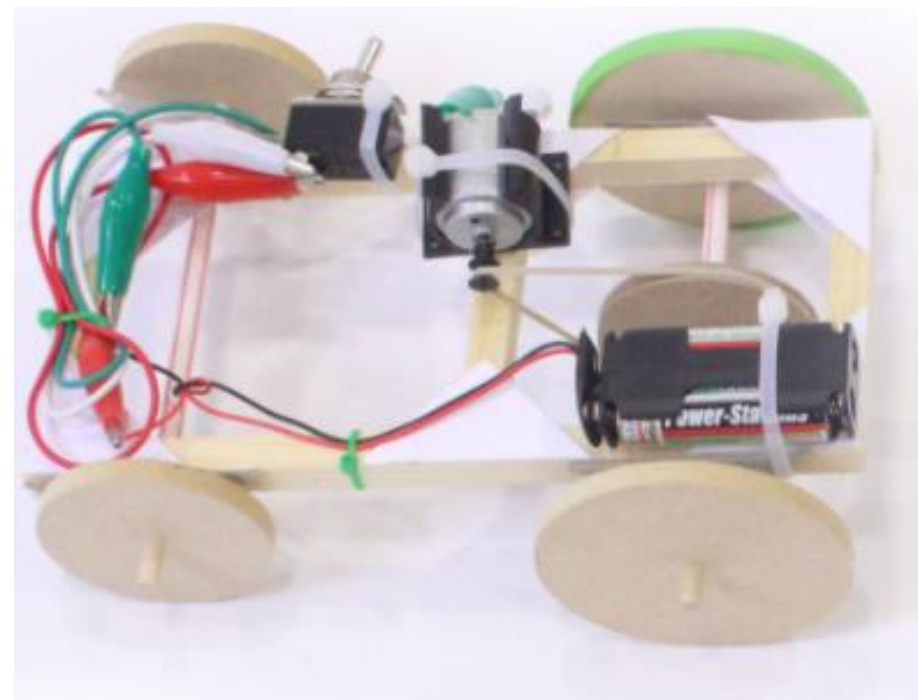
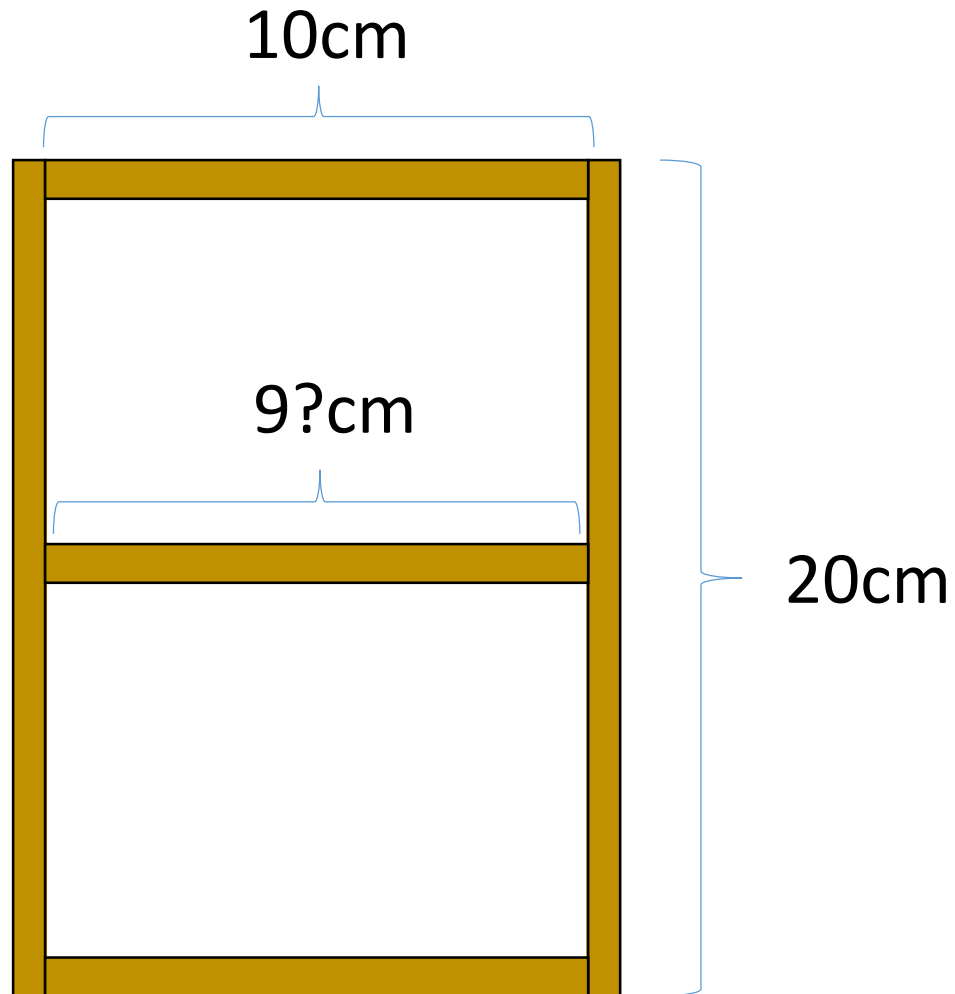


# Choose a template to draw the body work design

3



# Choose a template to draw the body work design



# Time to draw make our final designs for the body work

