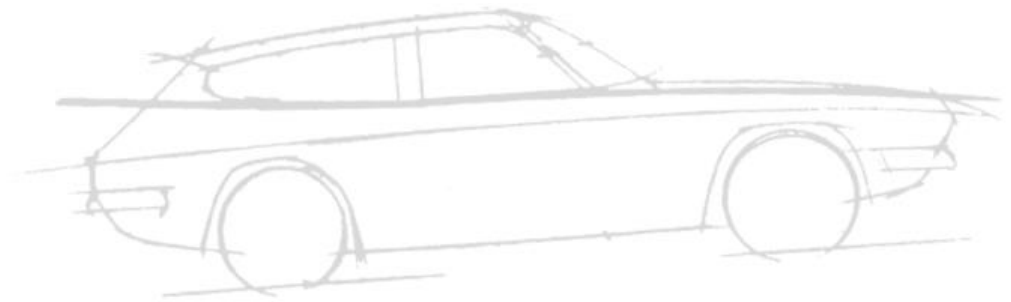
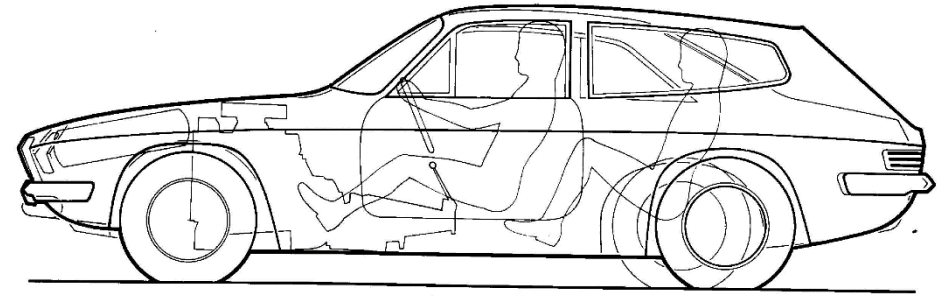


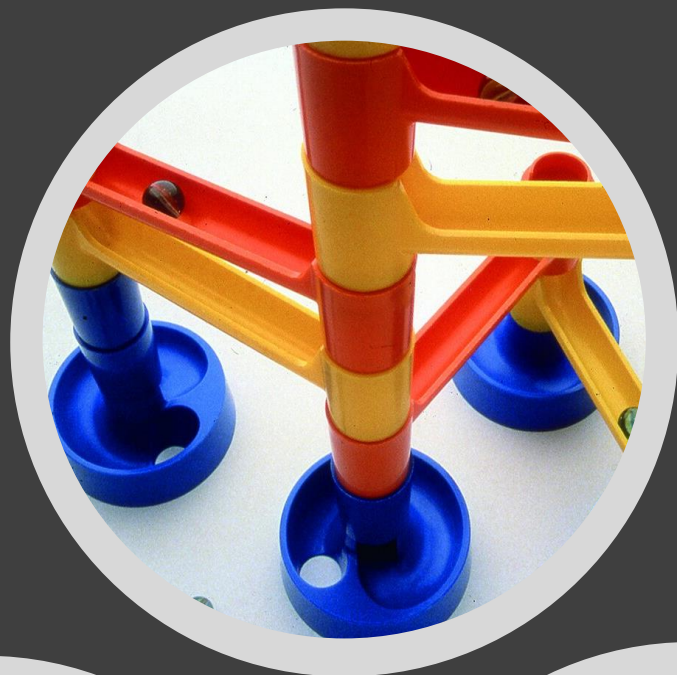
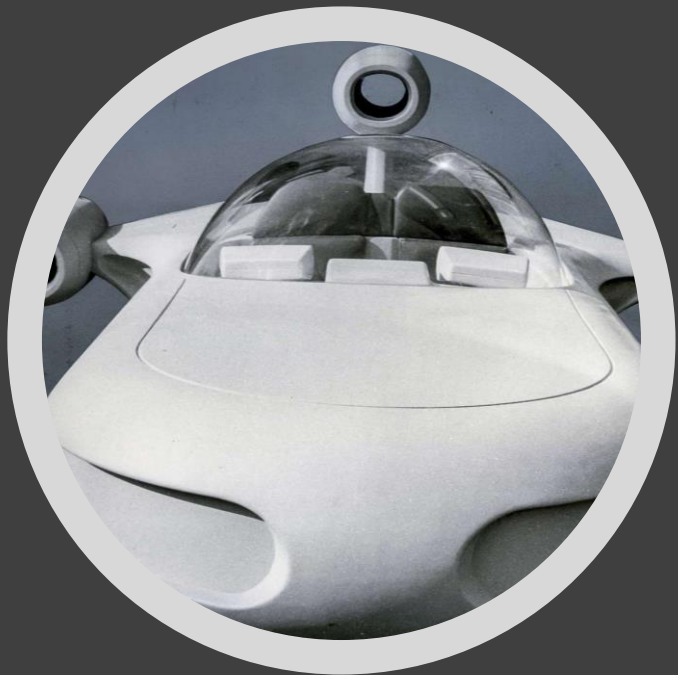
Design Brief

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



Key Words

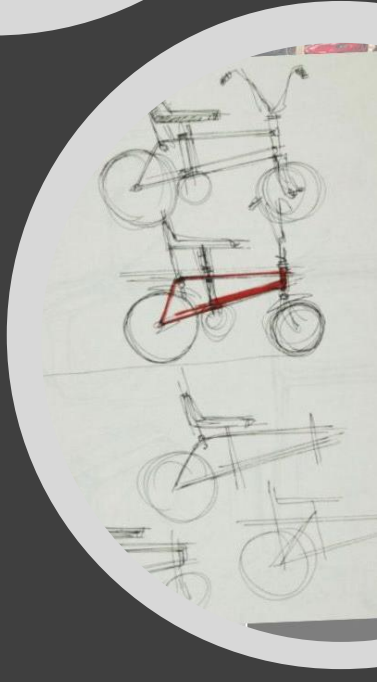
- Controllable
- Vehicle
- Pulley
- Belt
- Chassis
- Body
- Axle
- Wheels
- Aerodynamics



Tom Karen

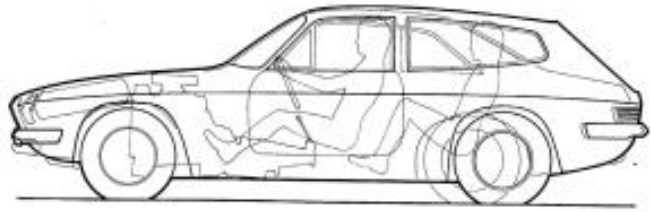
Letchworth designer, Managing Director for Ogle.

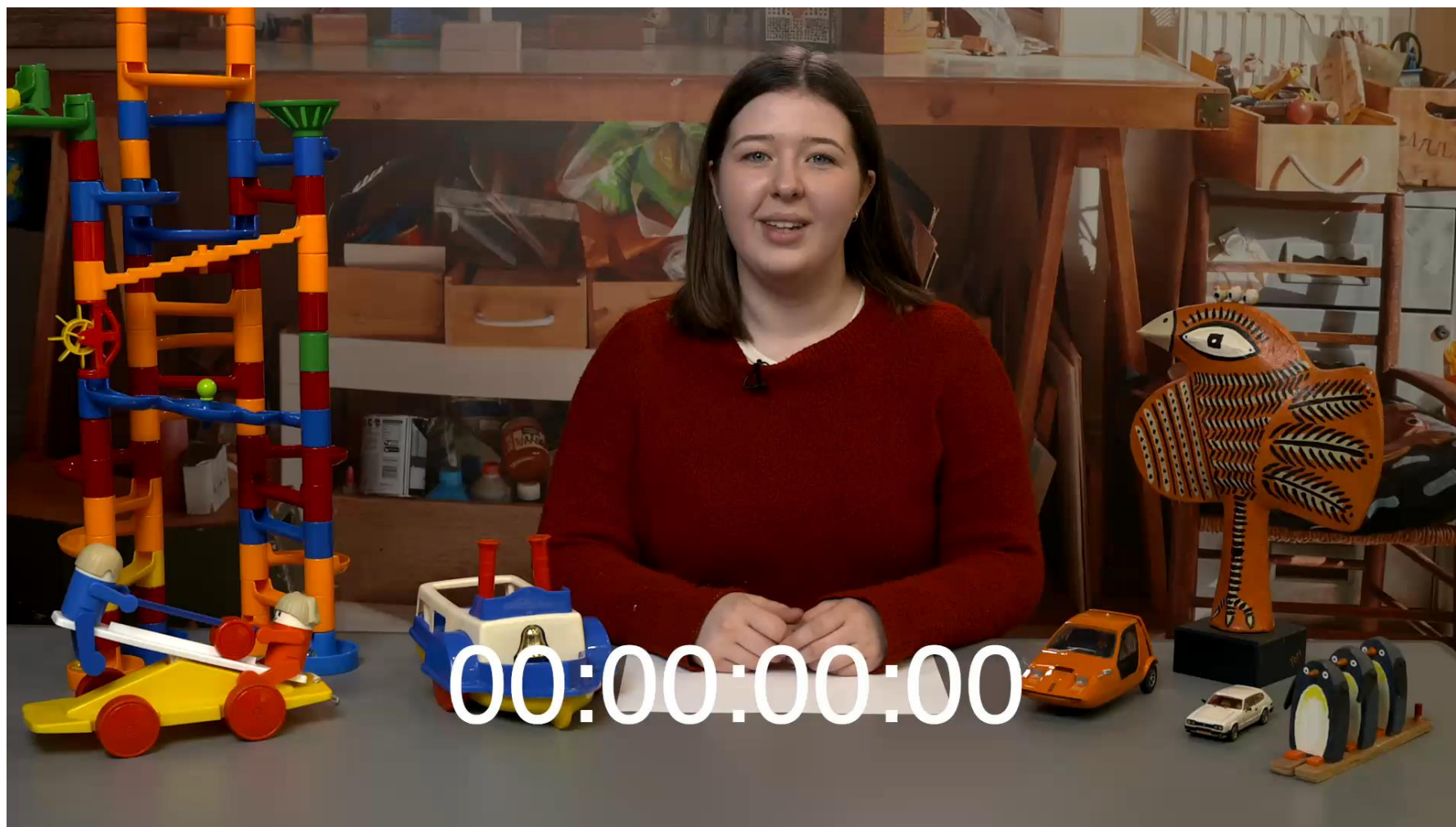
- Why was he an important designer?
- What did he design?
- How might his designs help you design your car/vehicle?





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



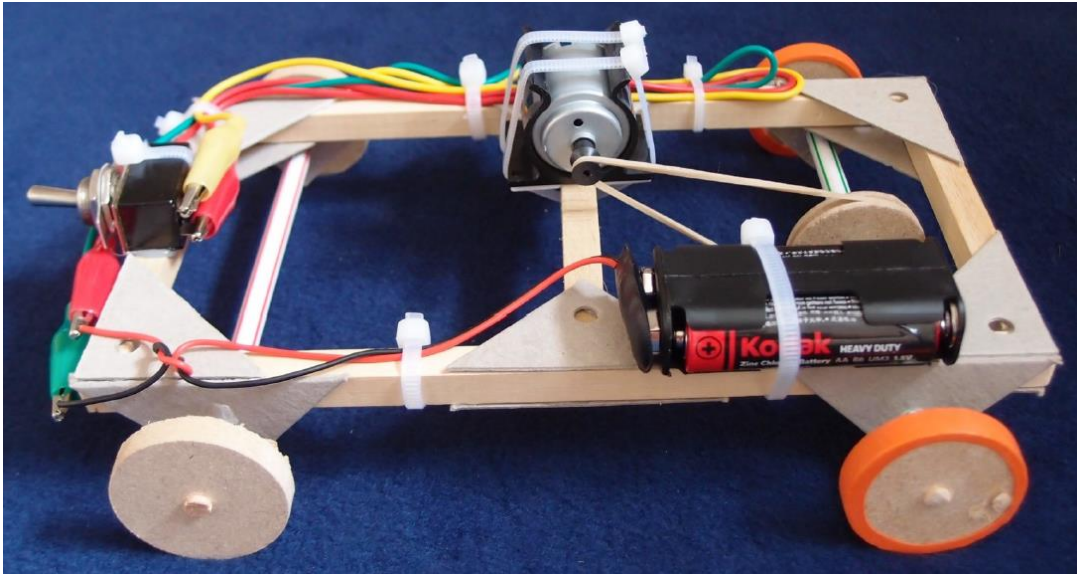


<https://www.discoverlethworth.co.uk/tom-karen-creations/>
KS2 Video

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

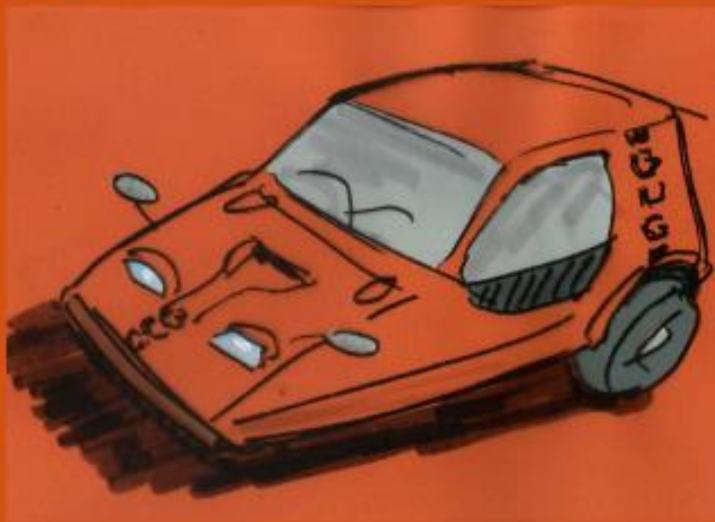
pulley band motor axle
wheels frame circuit battery pack
switch

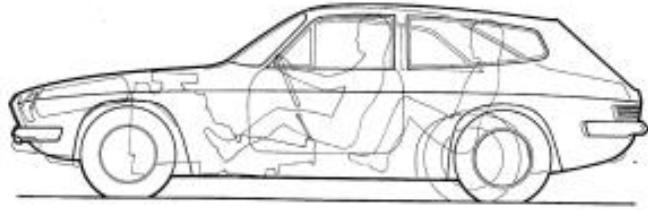
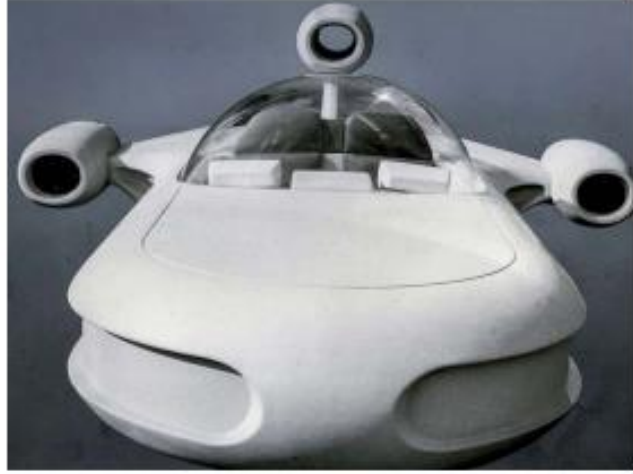


Example Mood Board



Bond Bug Mood Board





Future Designers, how can we be more sustainable?

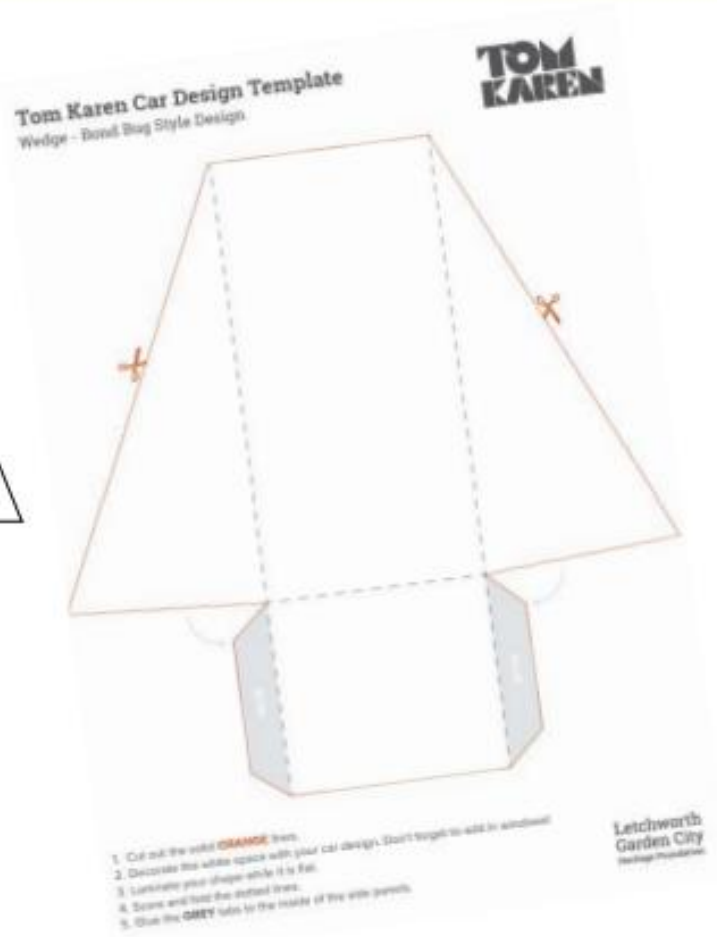
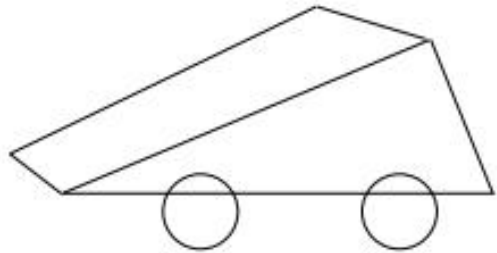


What kind of energy does your car run on?

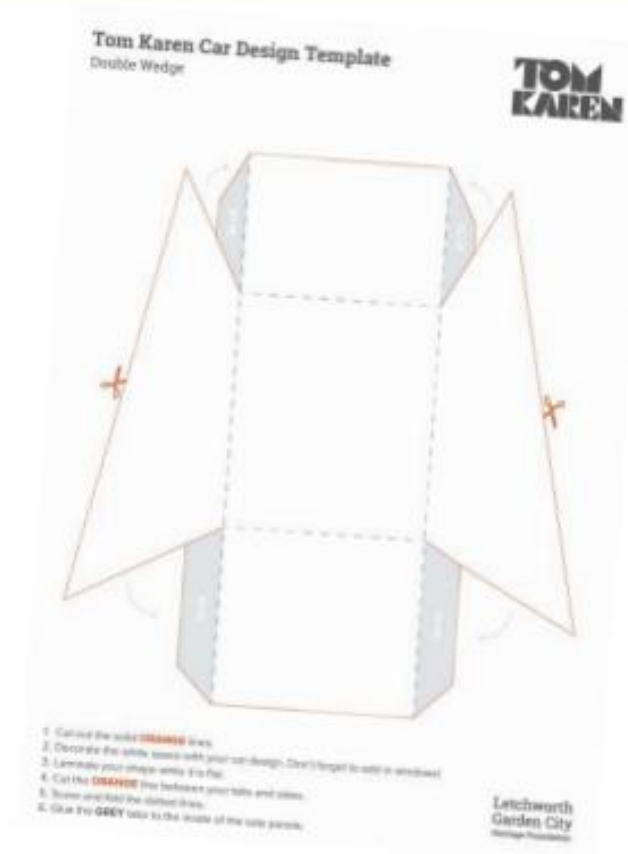
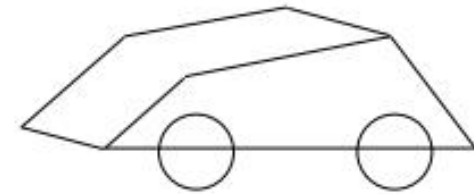
Think about the fueling or charging station as part of your vehicle design.

Choose a template to draw the body work design

1

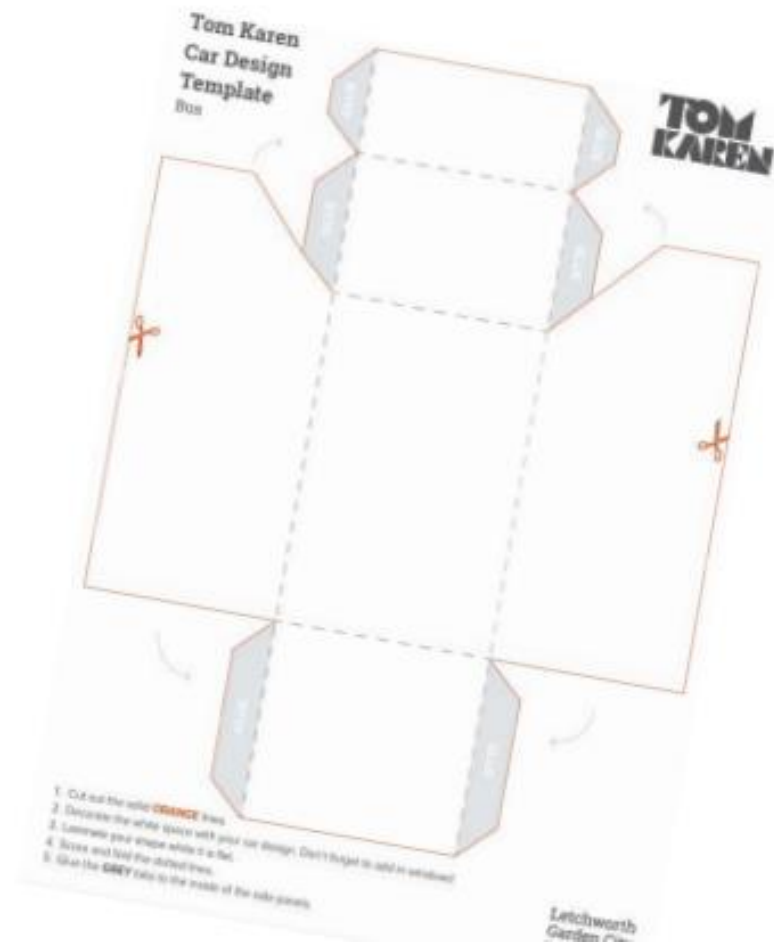
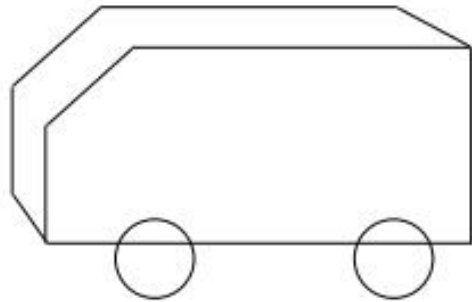


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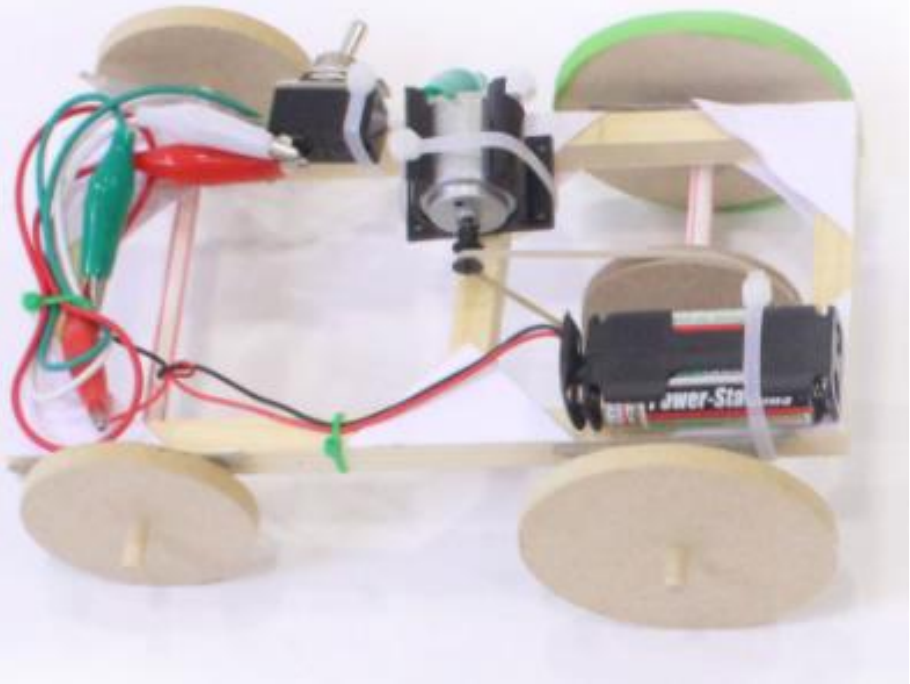
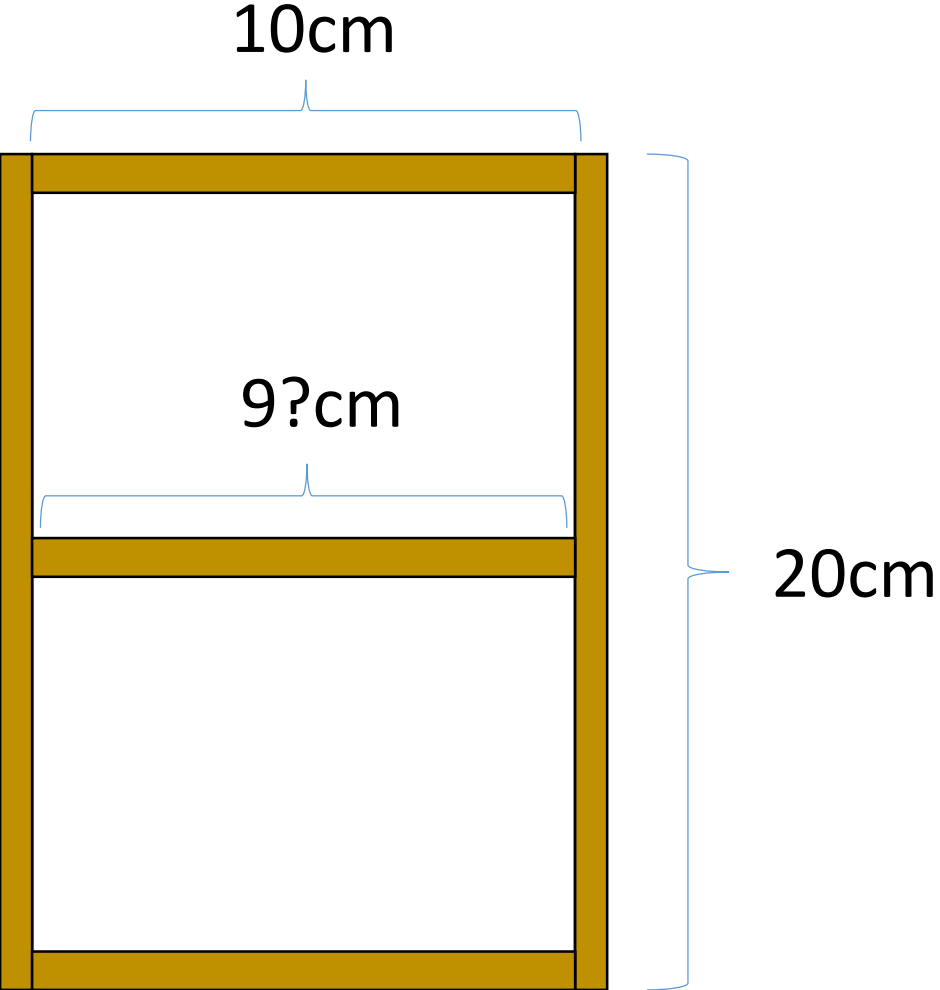


Choose a template to draw the body work design

3



Choose a template to draw the body work design



Time to draw make our final designs for the body work

