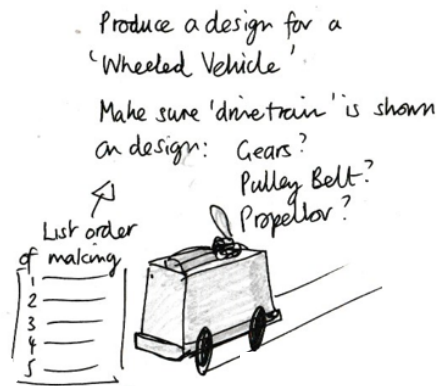
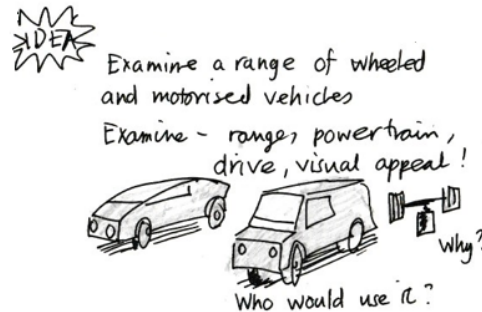


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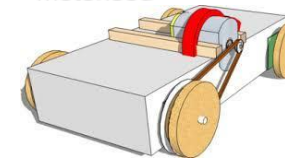
Year 5: Motorised Vehicle

Vocabulary	Definition
Pulley Belt	In a belt and pulley system, a belt runs along a pulley's groove so that the power can be transferred either from one pulley to another or from the pulley directly to the application that requires power.
Gear	design or adjust the gears in a machine to give a specified speed or power output.
Propeller	a mechanical device for propelling a boat or aircraft, consisting of a revolving shaft with two or more broad, angled blades attached to it
Motor	A machine, especially one powered by electricity or internal combustion, that supplies motive power for a vehicle or for another device with moving parts.
Power	supply (a device) with mechanical or electrical energy
Motorised	equip (a vehicle or device) with a motor to operate or propel it.



Key skills

- Practice constructing a pulley belt.
- The motor is powered by a battery.
- The motor turns a pulley that is connected to the drive shaft on the axle.
- The axle turns the wheels.
- Examine design brief.
- Pulley belt, gear, propeller, motor, power, motorised

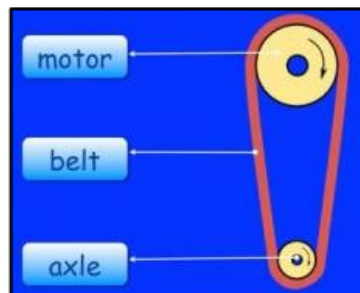


EVALUATION

- Produce evaluation of item
- o What went well?
 - o Did you follow the design?
 - o What changes did you make?
 - o How did the making go?
 - o Could it be improved?
 - o How?



Belt and Pulley System



MAKING

Make Wheeled Vehicle

Install axle and drive train.

Test!



Design Technology Subject Knowledge Bank
Year 5: Motorised Vehicle