

Moving vehicles with wheels and axles



Everyday objects that use wheels

Key Vocabulary

axle - a rod that enables a wheel to turn

cab - where the driver sits to control the vehicle

chassis - the base on which a vehicle is built

dowel - wooden rod used for making the axles

mechanism - part of a machine that has a particular function

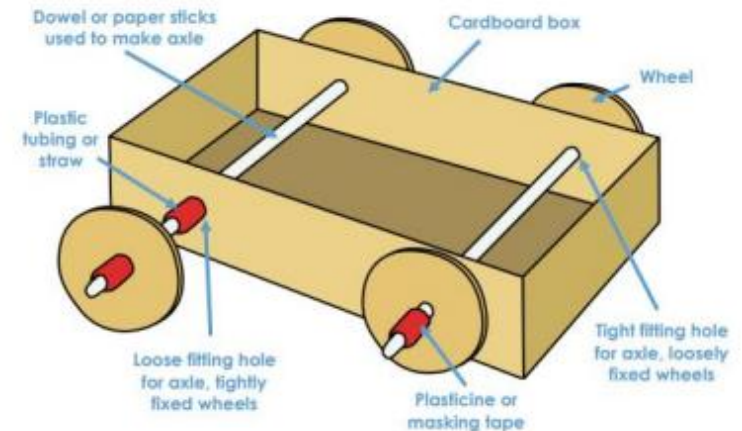
wheel - A wheel is a circular object which rotates on an axle.

EXAMPLE MECHANISMS

Toy cars and real cars use mechanisms to move. On a toy car the wheel is usually fixed to the axle, which means the wheel and axle will spin. If there is too much friction on the axle it will not move.



Roller skates have four wheels. Often the wheels rotate free from the axles but sometimes they can be attached too.



Design criteria

Your moving vehicle should:

- Have working wheels which rotate
- Have wheels which are fitted with an axle
- Have an appealing design