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Wheely movie

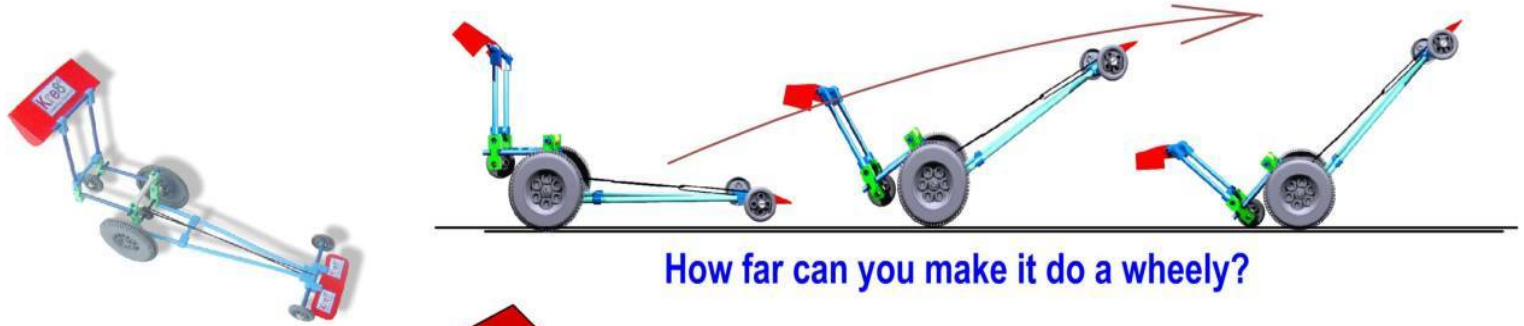
You will learn & achieve

Knowledge - Energy- potential, stored, kinetic energy, linear to rotary motion, centre of gravity, balance, friction, measuring, reducing friction, obtaining grip, mass and speed.

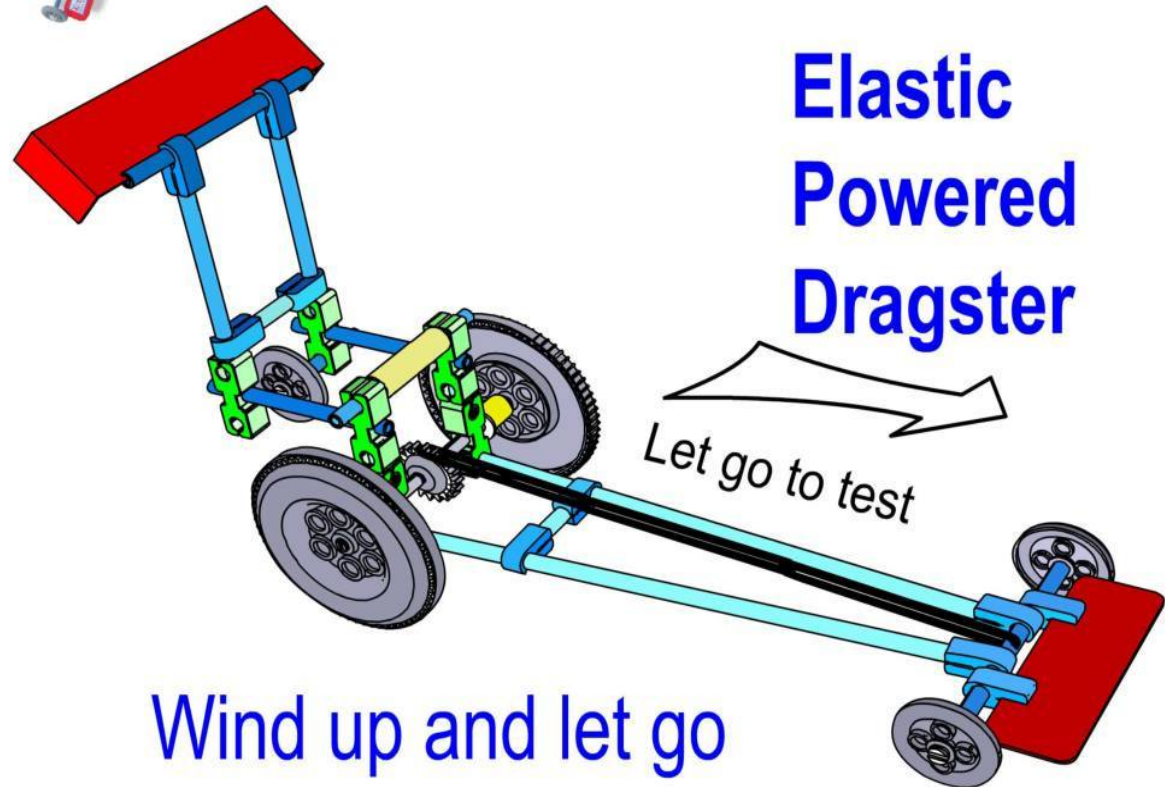
Making

Assembly and constructions skills - testing then adjusting to get best results. Possible competition.

Designing - The dragster can has potential for design of the the aerofoils and customisation after initial testing.



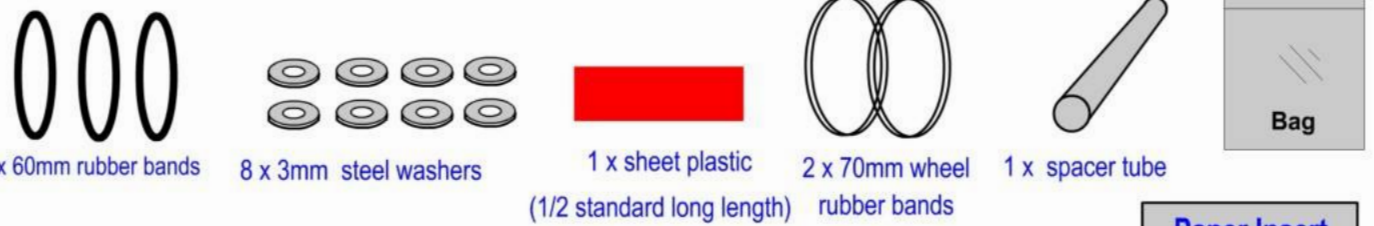
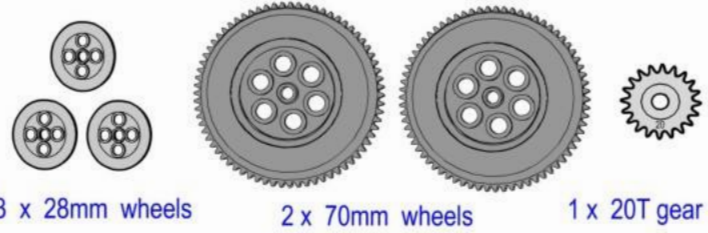
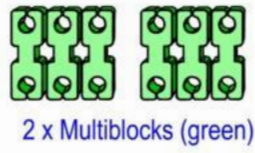
How far can you make it do a wheely?



Elastic Powered Dragster

Wind up and let go

Trim all sharp edges after cutting



Easy Assembly

The rods are easier to insert into the connectors if twisted as they are pushed into place. Younger students should 'round off' and smooth the tube and rod ends using the abrasive paper.

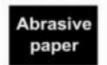
Paper Insert Instructions + safety

Tools

Snips
Use to cut Kre8 connector hinges, plastic sheet, light blue tubing etc
Note - Scissors are not very satisfactory as they do not have serrated blades.



Emery Cloth
Use fine 'emery cloth' or other 'abrasive paper' to round and smooth the slit rod or blue tube ends to make assembly easier.



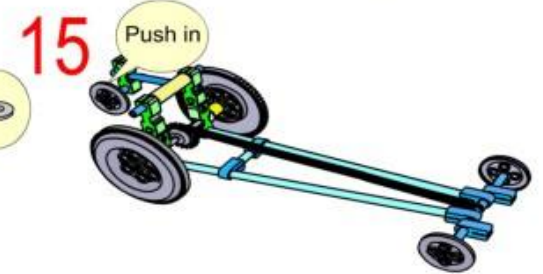
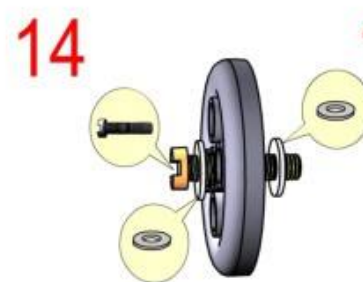
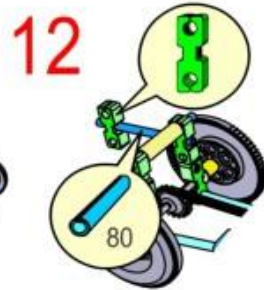
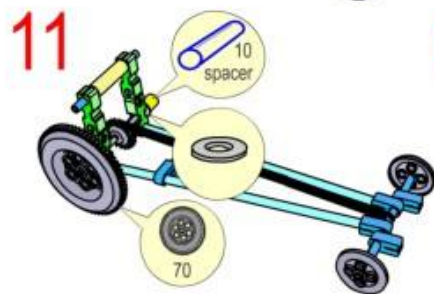
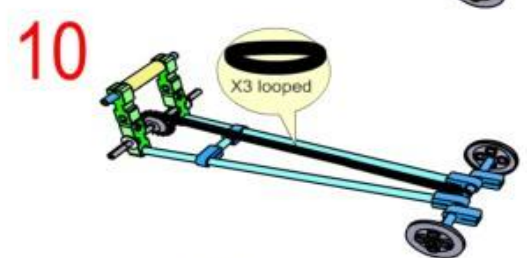
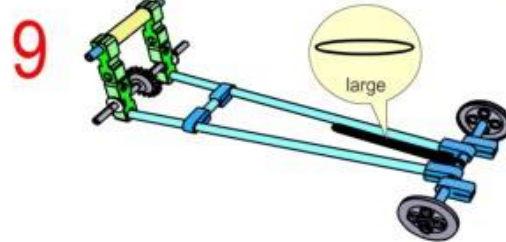
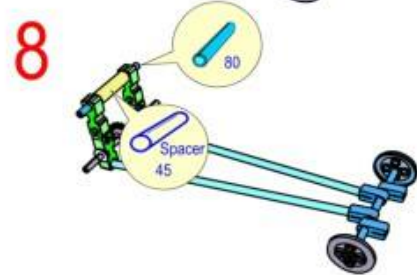
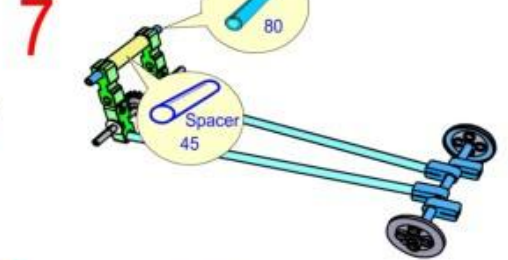
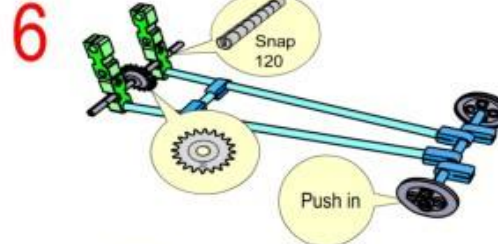
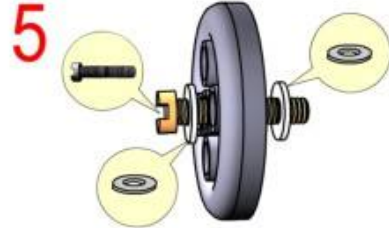
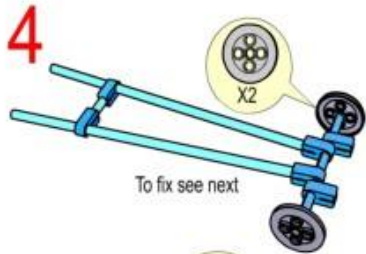
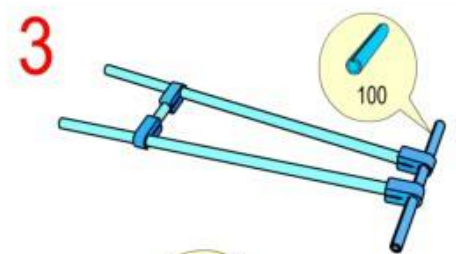
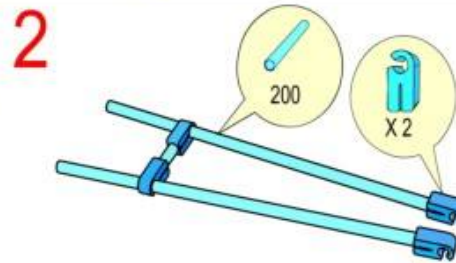
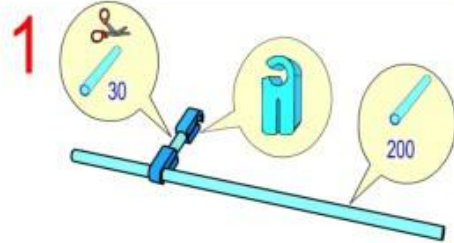
Pencil and Rule
Use to mark lengths of blue tube or slit rods before cutting. Can also be used on plastic sheet before shapes are cut out.



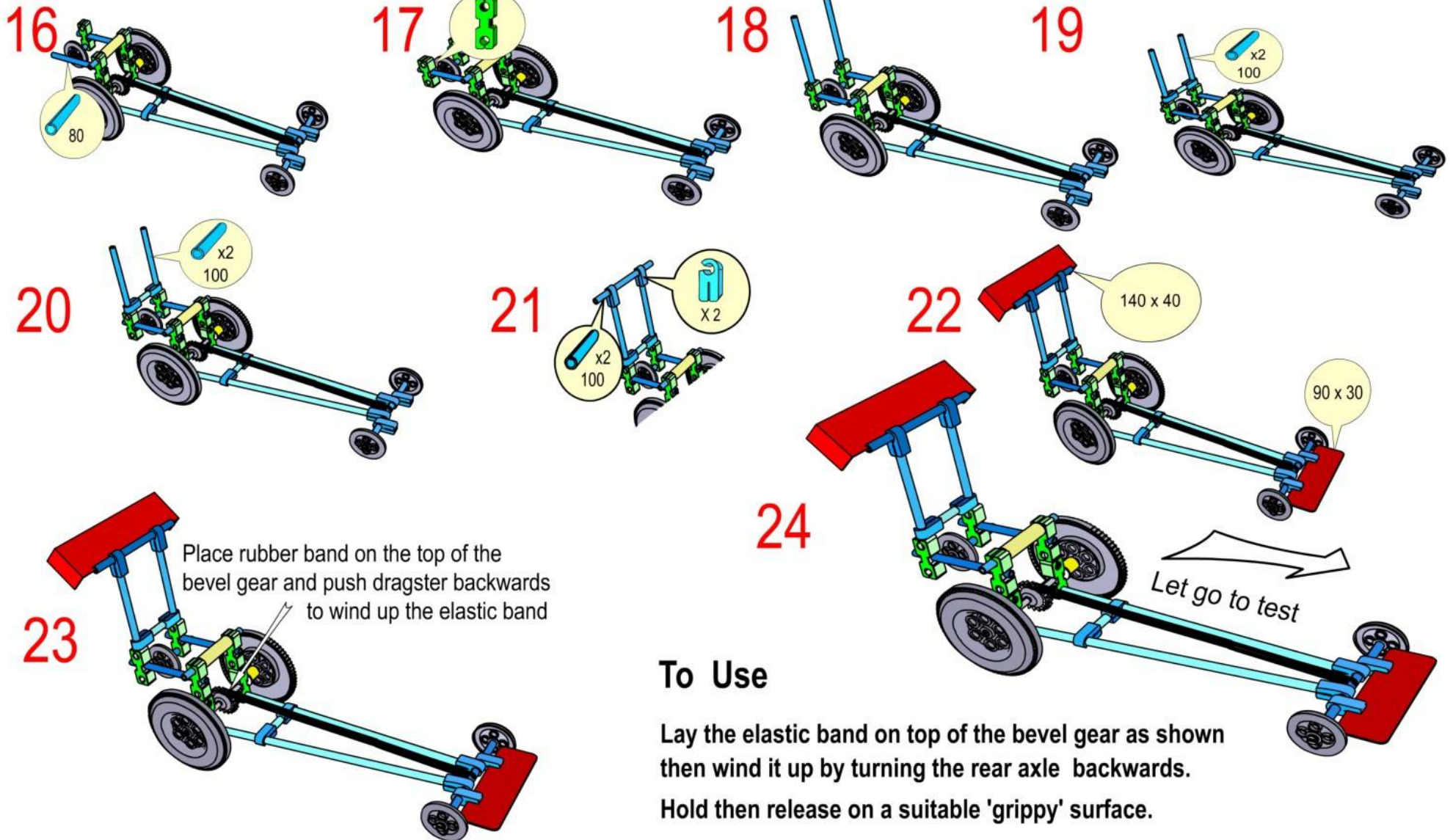
Screwdriver
Use to adjust the bolts until wheels well

Note - To make assembly easier - smooth and round the ends with **abrasive paper** before pushing into the connectors.

Sizes in mm



rubber bands 2x 60mm

**To Use**

Lay the elastic band on top of the bevel gear as shown then wind it up by turning the rear axle backwards.

Hold then release on a suitable 'grippy' surface.

5

Photo

