



# K'NEX Cars

## Building a drive axle

What is an axle?

*An axle is a central shaft for a rotating wheel or gear. In other words the axle is the long piece that goes through the wheels.*

For the drive axle, the wheels have to rotate with the axle. They cannot spin freely around the rod. Here's one way to make one:



In her hand is a small tan piece that fixes the wheels to and axle so that they all turn together.

## Hooking up the motor



- The zip ties are releasable
- The rubber band has to be just the right tightness
- If the rubber band is too tight the motor won't spin.
- If the rubber band is too loose the motor won't grab
- If you car runs backward, switch the alligator clips on the motor leads.