

## 0.1 Motion Lesson – Moving on Wheels

### Introduction

What ways do things move? (up/down, round and round, sliding or sideways)

How does a car move? (on wheels)

How do people move (walk on legs)

How do some animals move (fly – bird, hop – Kangaroo, slither or wriggle – snake, swim – fish, somersaults – hydra jellyfish)

### Puzzle:

What needs 4 things to move when young, 2 things to move when older and 3 when it's very old? (a person - Why?)

### Let's look at types of motion:

Moving on wheels

You can make a DUPLO car shown or follow the LEGO Construction exercise –1.1 make a LEGO car

### Investigate the Car

Try pushing the car along the ground!

What do wheels do when you push the car?

What else turns with the wheel?

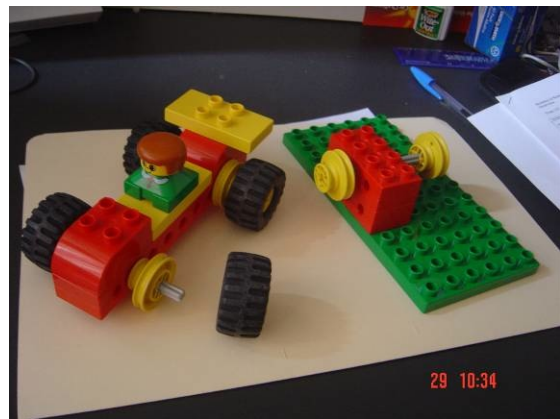
Sometimes the wheel doesn't turn very well, how could we make it better?

Why do the wheels stop after a little while.  
(the wheels rub against the ground and it gets harder to push so its stops!)

How could you make it go further?  
(bigger push, bigger wheels, more weight, downhill, smoother ground)

Try doing some of your suggestions. Does it work?

DUPLO Car and Pusher



LEGO Car and Pusher

