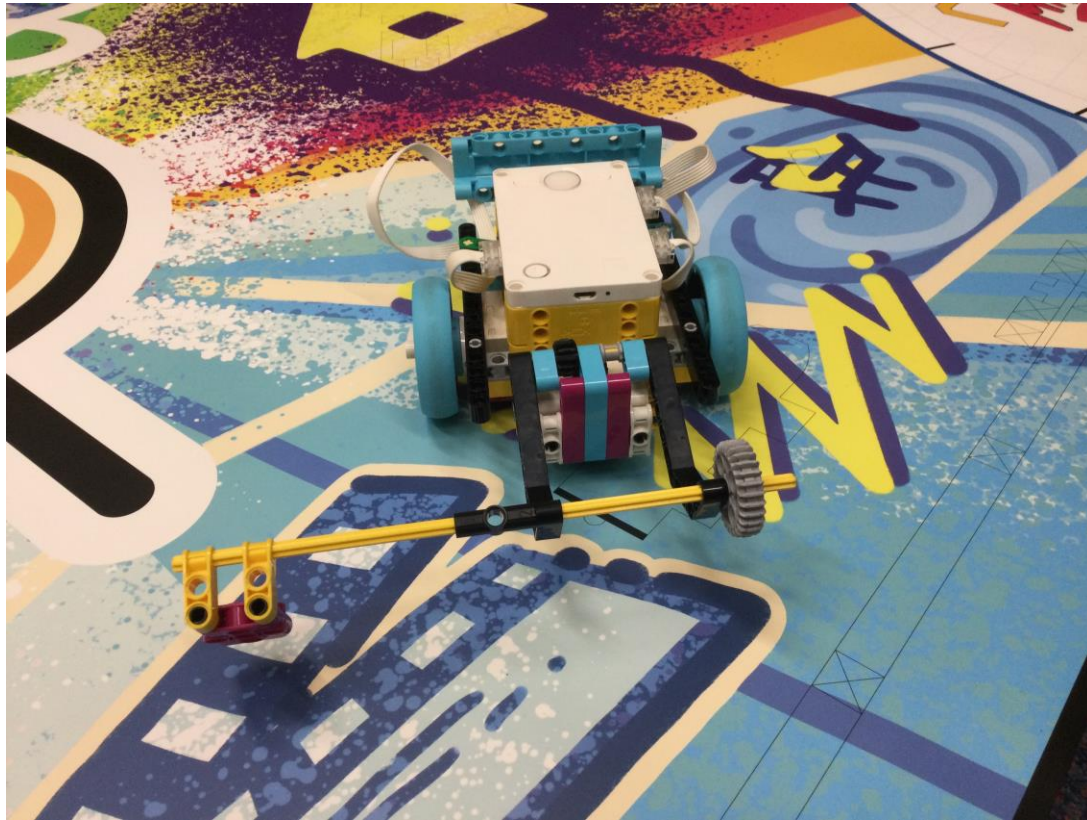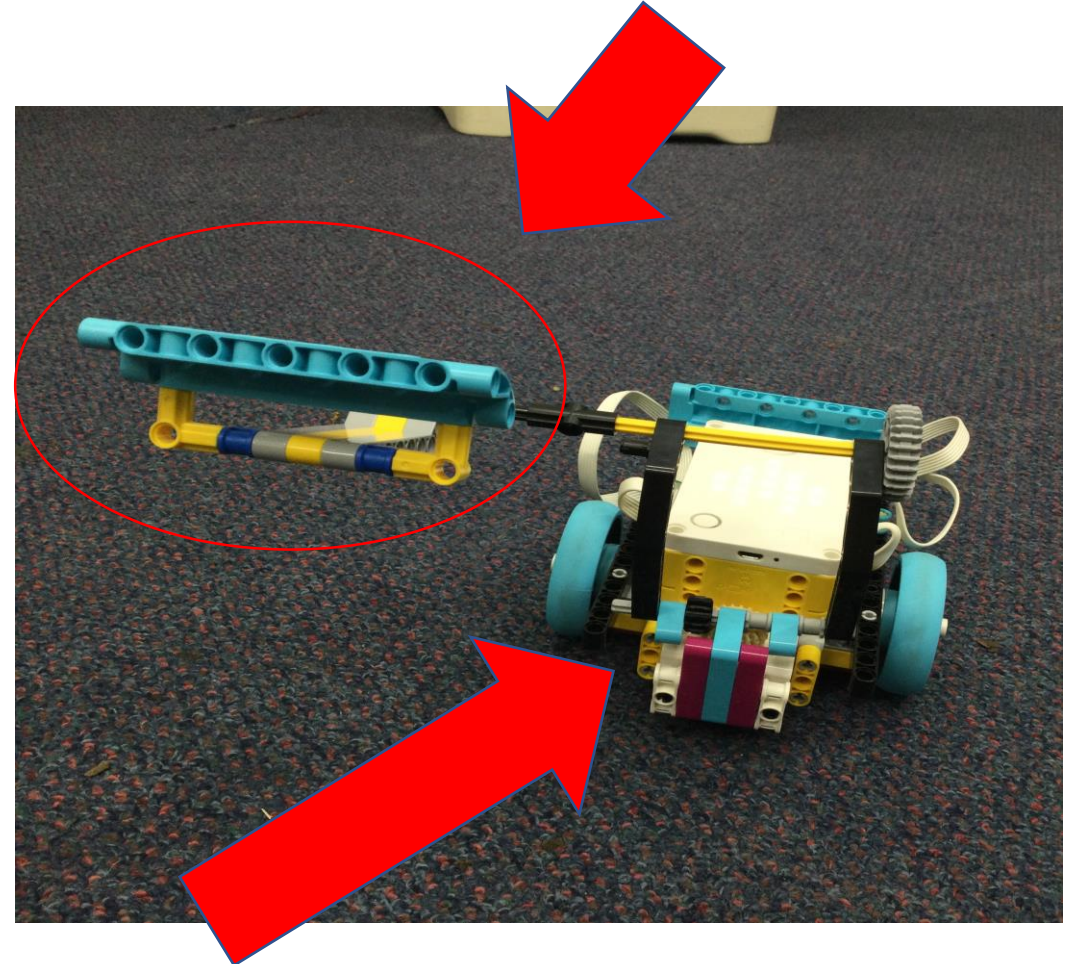# Robot Design

We started with the **Driving Base instructions** on Lego.com then added a whacker.
The whacker did not have enough force.

Whacker was made heavier.

We chosen to make it flatter so that the pressure was applied evenly.

Used a larger cog in the mechanism so that it had more power and turns slower.

Robot Design - Programming

The whacker did not have enough force.

- We adjusted the speed.
- How far down it rotates.

We used stickers and rulers to get it to the right spot (cm).

We duplicated and reversed the direction to get it back to the safe space.

Robot Design - Programming

It didn't reach it.

We had to make it go further forward to reach the challenge and to push it.

We set the motor to 100% to make it faster.

It turned the wrong way so we changed the turn commands around.