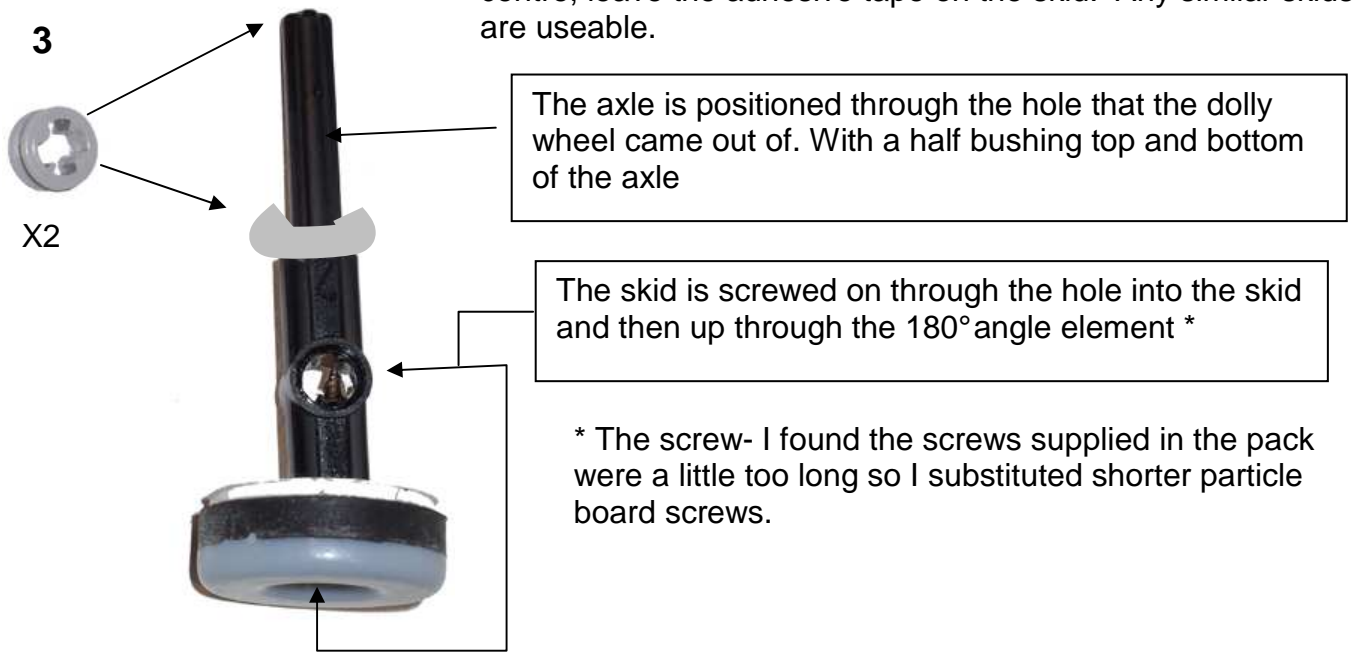
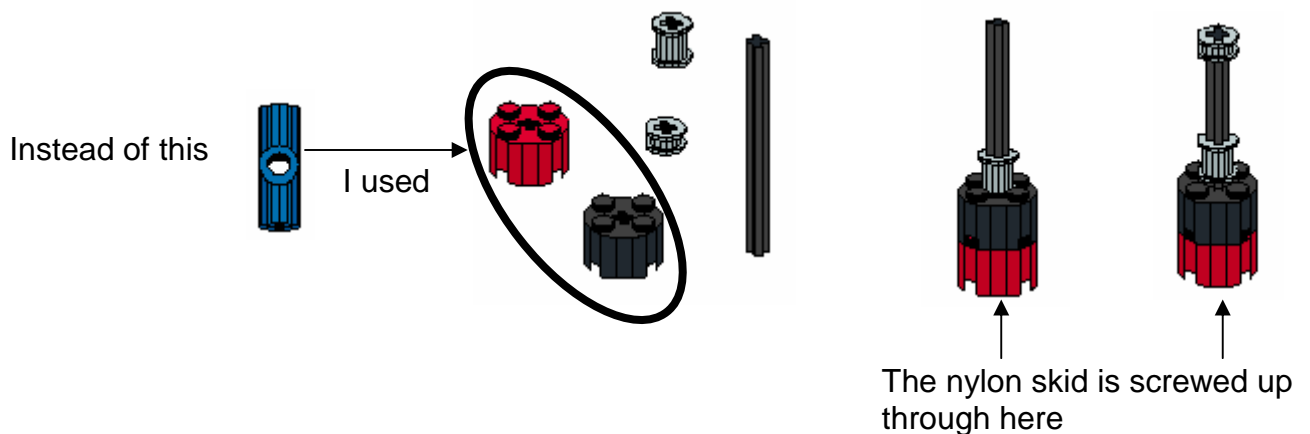


3 The skid itself is a non-LEGO element. It is actually a nylon furniture moving skid that I purchased from "Bunnings" hardware. The skid I used was packaged on a card of 8 self stick skids and included screws. The skids are about the size of a 10 cent piece with a hole through the centre, leave the adhesive tape on the skid. Any similar skids are useable.



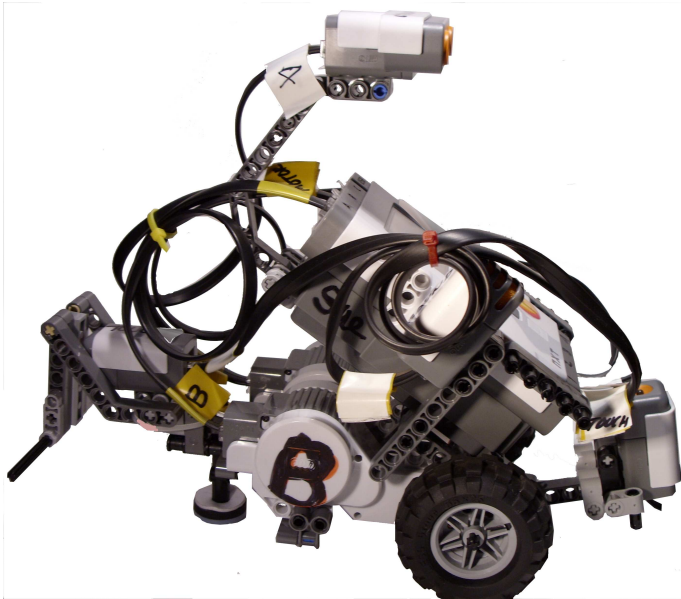
Substituting parts

I have substituted other LEGO elements other than the ones listed above. Once you have the general idea you can substitute elements that you have the most of. Another example is below. Just ensure that whatever you chose doesn't tip the robots centre of gravity too far to the front as it's already front heavy.



DOLLY WHEEL - TO – SKID

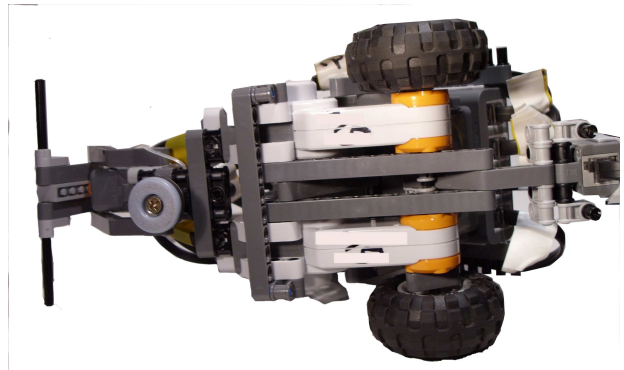
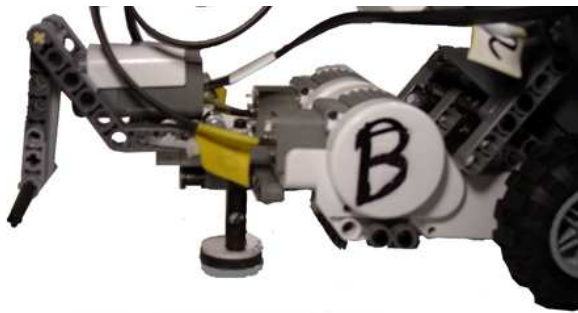
The LEGO robot instructions contained in the LEGO Education building set are for a basic robot with two wheels connected to 2 motors at the front and a dolly wheel at the back.



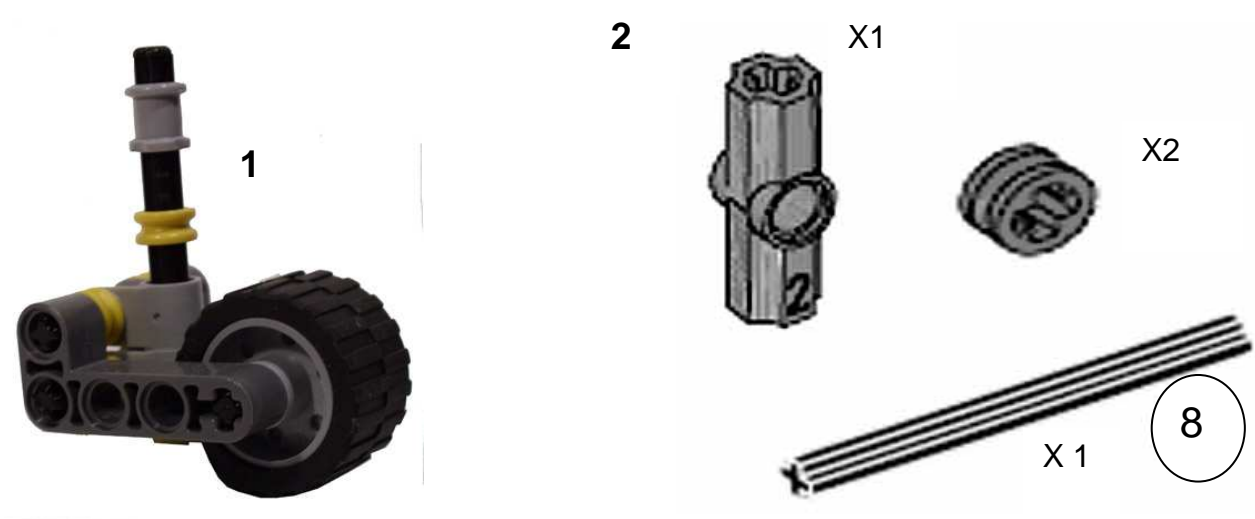
I have found that the dolly wheel has a tendency to jam sideways and limit the robot's movements and maneuverability. It also impacts on the robots speed on various surfaces and can contribute to the robot falling over.

These instructions show you how to replace the dolly wheel with a skid assembly that I have found substantially corrects the dolly wheel problems.

The photo at left shows a the NXT robot with the dolly wheel replaced by the skid assembly.



1 Remove the entire dolly wheel assembly , don't break it up as you may need it at a later date. The new skid leg will be placed through the same hole that the dolly wheel came out of



2 Select the required LEGO elements, you may have to raid other sets , you ac also substitute some elements. Diagram 2 shows the LEGO elements I used