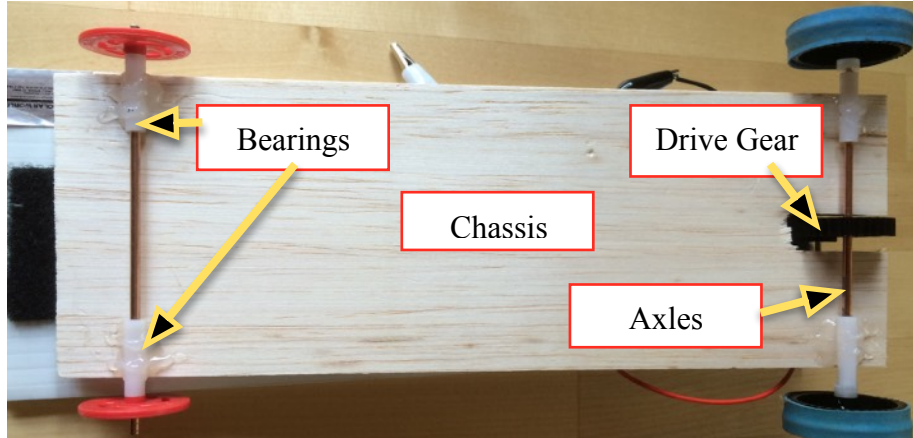


Lesson 2 – What is the chassis and why is it important?



Reading 2.1–The Chassis

The chassis is the frame of your car. All the other parts get attach either directly or indirectly to the chassis. The bearings get glued directly to the bottom of the chassis. The axles spin in side the bearings, so they attach indirectly to the chassis. You will also attach solar panel supports, the motor and a battery pack directly to the top of the chassis.

A longer, wider chassis is easier to mount axles and get to roll straight but is heavier. You can cut your chassis shorter to reduce the weight, but it makes it harder to keep it moving straight.

Reading Questions for the CHASSIS:

1. What is the chassis and what is it for?
2. What are the advantages and disadvantages of a longer and wider chassis?
3. What chassis design do you think is the best. Give at least one advantage and one disadvantage of your choice.
4. List four things you need to attach to your chassis?