

ELECTRIC CAR PROTOTYPE

Improvements Checklist

Experiment with the following factors to see if you can improve your time:

- ☐ Size of the wheels
- ☐ Number of batteries (more batteries mean more power, but also more weight)
- ☐ Size and type of bearings (less surface area contacting axle means less friction)
- ☐ Length of axle (longer axles twist more)
- ☐ Friction of wheels (can you apply a sticky surface to your rear wheels?)
- ☐ Alignment of wheels (are they wobbly?)
- ☐ Weight of chassis
- ☐ Number of front wheels (can you make do with one?)
- ☐ Front wheel drive (does the car go faster in reverse?)