

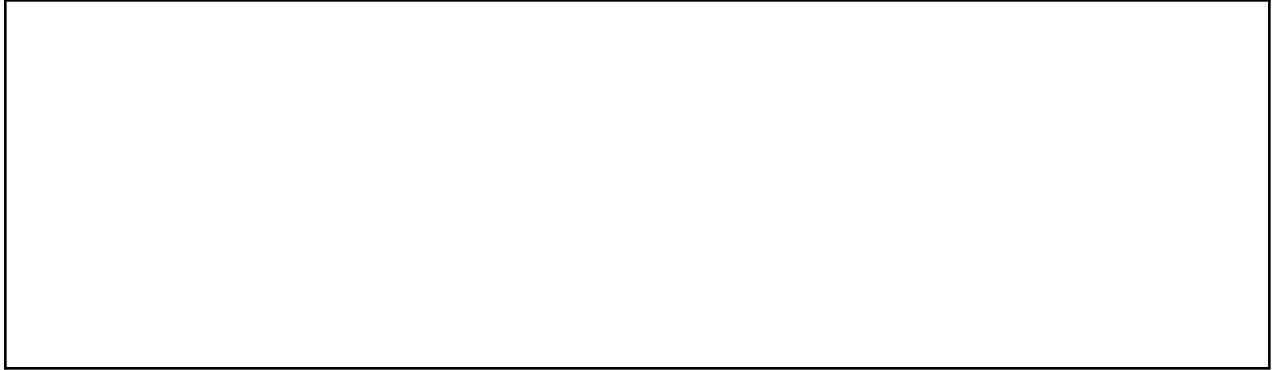
# CRAFT IN AMERICA

A VERY NOBLE CAR EDUCATION GUIDE

## Worksheet 2: Making It Work

*"I study its components so that later I know how to assemble it." - Leandro Gómez Quintero*

Making your model will involve improvisation, experimenting, problem solving, and maybe iterations. Iterations happen when you need to, or want to, restart your project. Each new version is an iteration. Going through iterations is common practice for artists, designers, and engineers. Using your imagination, you have generated some ideas for a model. Concentrate on one idea. Sketch it here.



### Scale and Proportion

*It's made with attention to detail in the proportions of the car and basic shapes of the original."*  
- Leandro Gómez Quintero

How will you make your model? How big or small should it be? Get a ruler and some paper. Look at the measurements on the ruler and estimate how high you'd like your model to be. Starting with that measurement, estimate other measurements of your model. Hold the piece of paper up and fold it or manipulate it to get an impression of different measurements. Label the sketch with the measurements you think might work. This can be complex! Some of the measuring and estimating will happen while you are working and building your model. You can adjust measurements as you work. You also might start, and then see you need to re-start. (Remember iterations!)

### Materials

*"My basic raw material is cardboard." - Leandro Gómez Quintero*

*"...If you don't have something, you just find some other way to make it work. And so he carves tires out of packing Styrofoam that people throw away." - Stuart Ashman*

Think about the various pieces you will need for the model. Sketch the parts separately below and label them. Most pieces will probably be paper and cardboard. However, also you can think about some found objects that might work for different parts, now that you see the individual shapes you will need. Make a list of any objects that would be useful, and think about what you might be able to find at school or home that would normally be thrown away but could become part of your model.

Creating and building a model can feel like a super power. You measure and experiment with different materials and start building and then you have a model of something that has meaning for you. Just as Leandro's models are different from a model kit, your model will be unique. Being able to make things really is a super power.