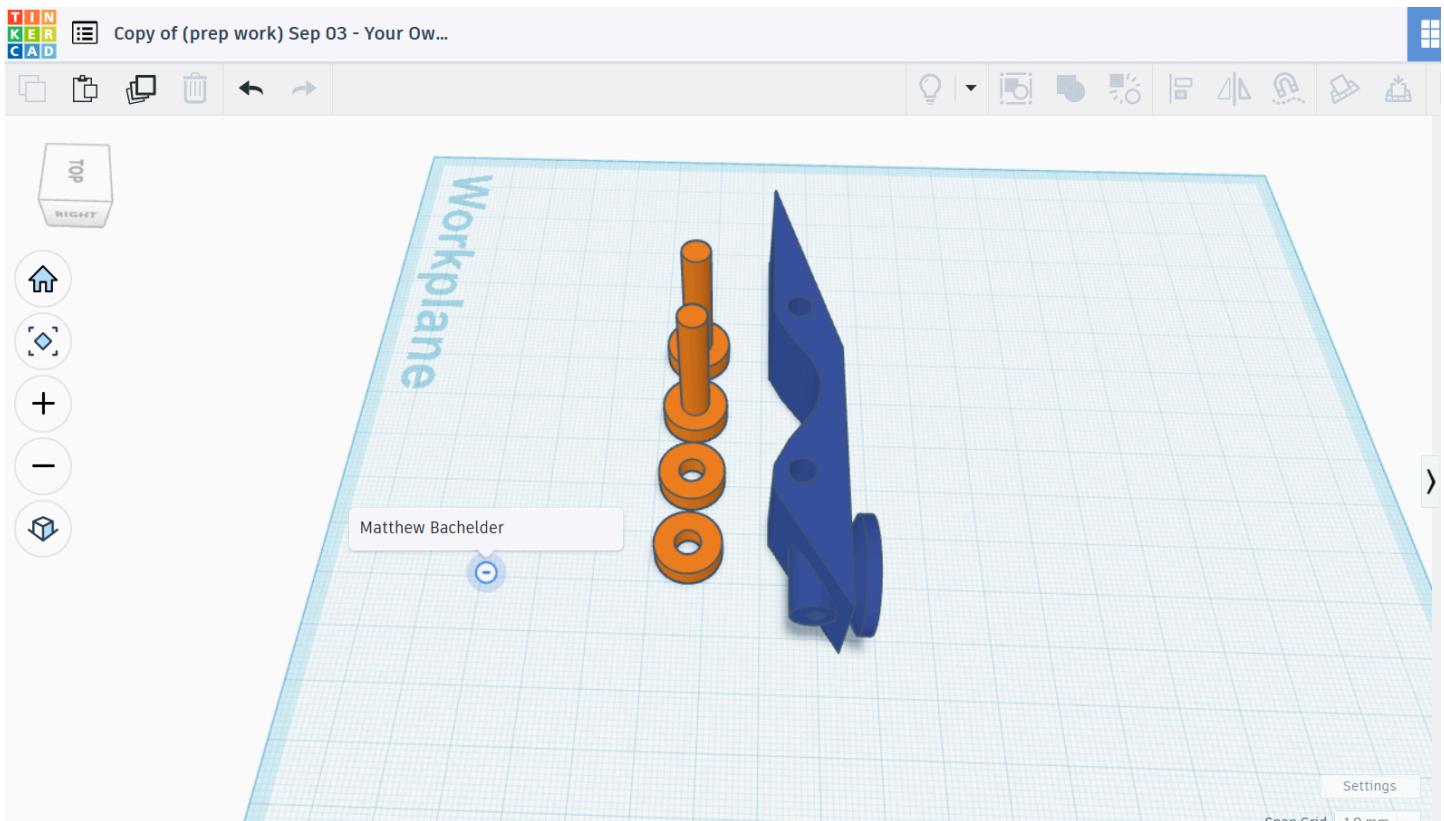


# Basic 3D Printing Process - New Car

## New Car Design



## Functional/Structural Changes

- Shorter base
  - This was done to help reduce drag and weight by having a thinner body
- Smaller axles, axle channels, and wheels.
  - This was done to reduce weight.
- Curved underbelly
  - This was done mainly to reduce weight, but can also help with the aesthetics.

# Aesthetic Changes

- Body
  - Several changes were made to the body for mainly performance but I styled the car to slightly resemble that of an F1 or similar race car. Primarily, the long slant at the front with the long flat centerpiece.
- Underbelly
  - The underbelly of the car was chiseled out much like we did in the in-class version of this assignment, but I used a curved piece and 2 roof pieces to make the edges look much better than before.
- Exhaust
  - I gave the exhaust a more visible tube at the end to make it look a little nicer than just a hole at the flat end of the car. I also slanted the back mainly for aesthetic purposes.