Assembly Modeling:

- Create pinewood derby racers using the parts provided on the website.
- Start with the chassis as the first part in the assembly (base part) and make sure the origins are aligned so that the isometric view is correct.
- The next essential elements are the axles which will need to be centered and constrained.
- To create a pinewood derby be creative and choose any combination of wheels, blocks, triangles, or make adjustments to any part files, ... or make your own. Etc.
- Below is just an example, you may **NOT** copy this design

- Apply the **LOCK** constraint between parts to prevent rotation (allows assembly to be **Fully Defined** if all the proper constraints have been applied)
- Place your Name and Seat Number in a text box on the FRONT edge of the part and constrain the text box using the **FIX** constraint.
- Maximize the SolidWorks window and use **Zoom To Fit** on the isometric view
- Make a screen shot using the keyboard **PrtScr**n button, paste the image into a Word document and save the problem as a PDF. Also save the **SolidWorks Assembly** as an SLDASM and submit both files for credit.