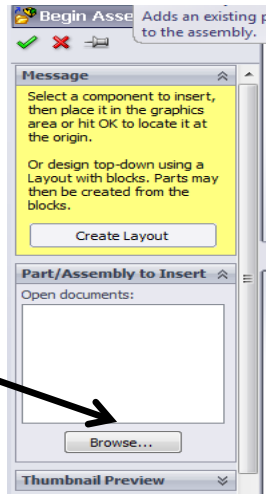
1. Open a new document by clicking on new document 

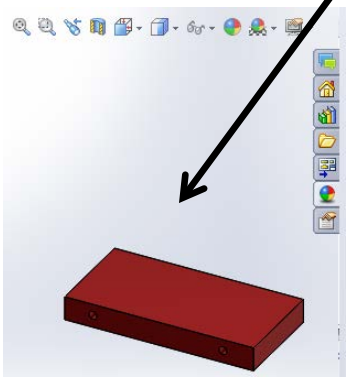
2. Choose the Assembly document. 

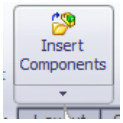
Click **ok.**

3. Click the **Browse** button and find the **Body.SLDPRT** file.



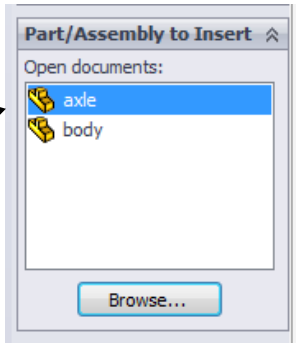
4. Click **OK** and position the part on the workspace and **click the left mouse button.**



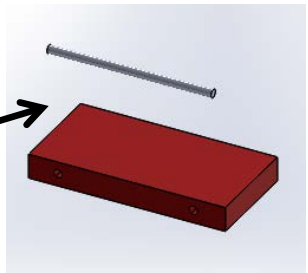
5. Click on the **Insert** 

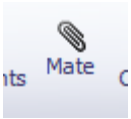
Components tool.

6. Click the browse button then choose the **axle.SLDPRT** File.



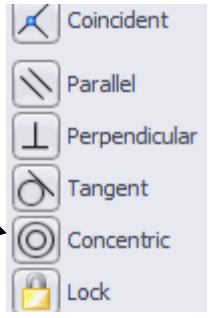
7. Move your mouse to a position you wish to place the axle and left click the mouse.



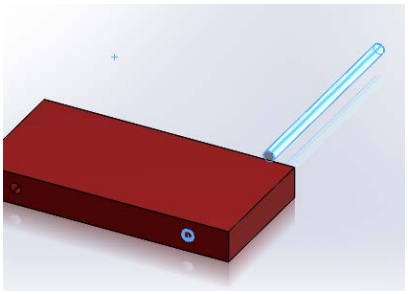
8. Click on the **Mate** 

tool.

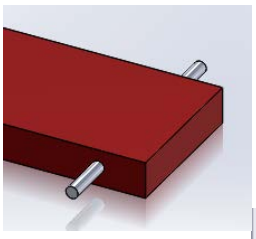
9. Click on **Concentric**



10. Click on the Axle and the inside of the hole in the base as shown highlighted in blue. Click the check mark.

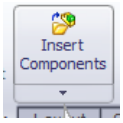


11. Click on and drag the axle through the hole

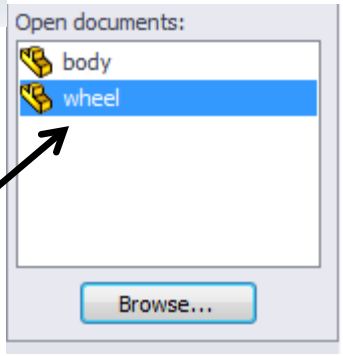


12. Repeat steps 5-11 to insert the other axle.

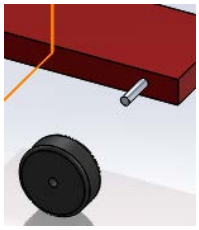
13. Click the Insert Component tool.



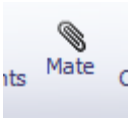
14. Click the **Browse** button and find the **wheel.SLDPRT** file.



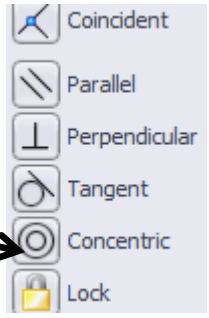
15. Place the wheel where you would like to begin as shown and left click

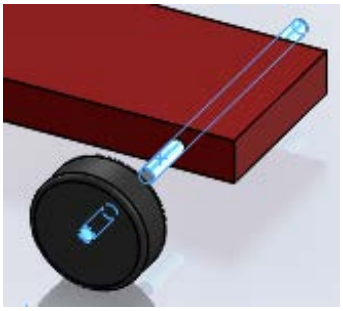


16. Click on the **Mate** tool.



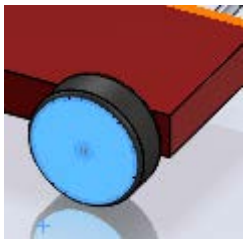
17. Click on **Concentric**



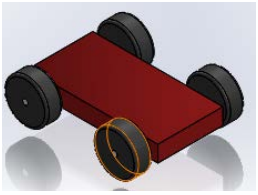


18. Click on the Axle and the center of the wheel hole as shown highlighted in blue. Click the checkmark.

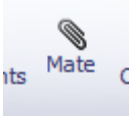
19. Choose Coincident mate. Click on the face of the wheel and the face of the axle as shown highlighted in blue.
Click the checkmark.



20. Repeat Steps 13-19 for each wheel.

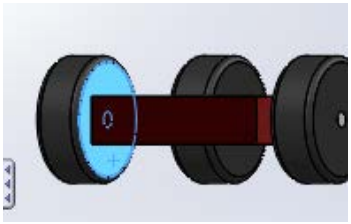


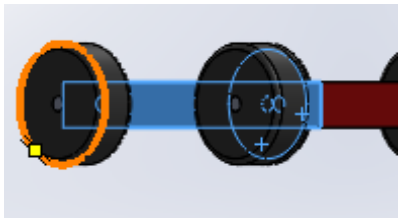
21. Click on the **view orientation** tool and click **right view** (control 4) You will notice the distance between the body and the wheels has not been set and they are probably unequal.

22. Click on the mate 

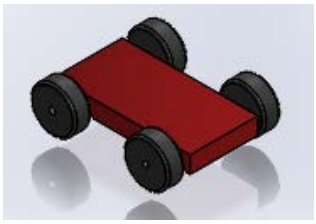
tool.

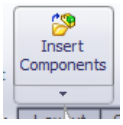
23. Select the **distance mate** and type in .25. 

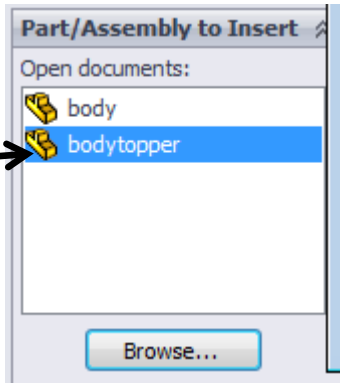
24. Select the inside face of the wheel. 

25. Rotate the car and Select the side of the body. 

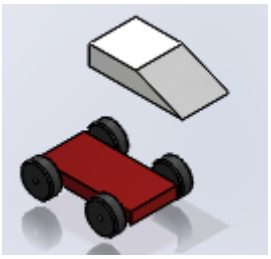
26. Repeat steps 22-25 for the back wheels. They should look like this. 

27. Click on the **View orientation** tool and select **isometric.** 

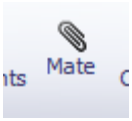
28. Click on the **Insert Components** tool 

29. Browse and choose the **bodytopper** file. 

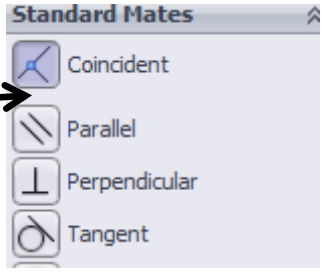
30. Place the **bodytopper** above the assembly as shown.



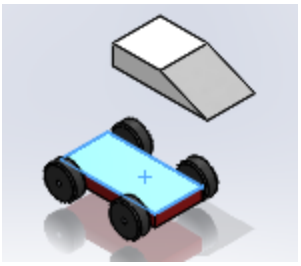
31. Select the **mate** tool.



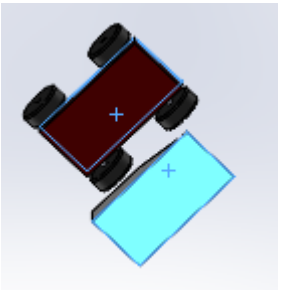
32. Choose **coincident** mate



33. Select the top of the body as indicated in blue.

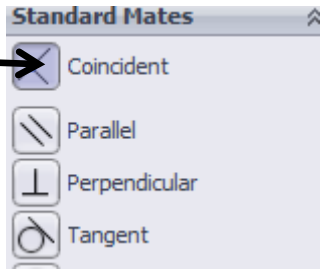


34. Rotate the drawing and select the bottom of the **bodytopper**. Click on the **check mark**.

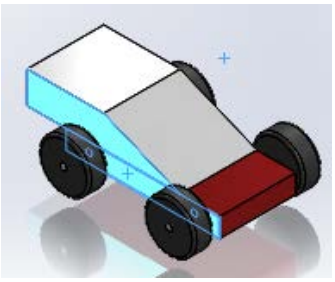


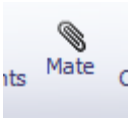
35. Click on the **View Orientation** tool and select **isometric.**

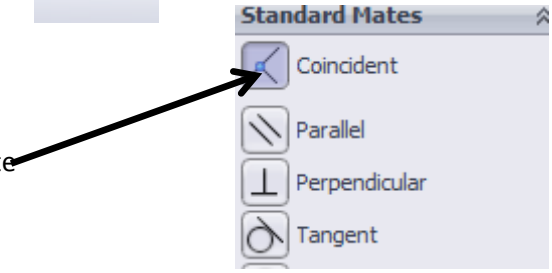
36. Choose coincident mate

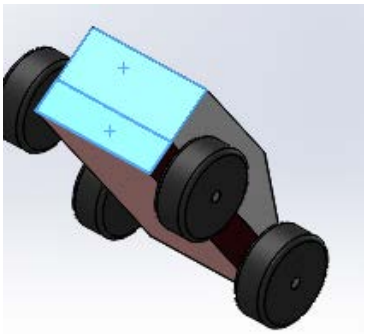


37. Select the side of the body and the side of the bodytoppe as indicated in blue.



38. Select the **mate** tool 

39. Choose **coincident** mate 

40. Select the back of the body and the back of the bodytopper as indicated in blue. Click the checkmark. 

41. Click on View orientation tool and select isometric.
42. **Save as Assembled Car**
43. You are done.