

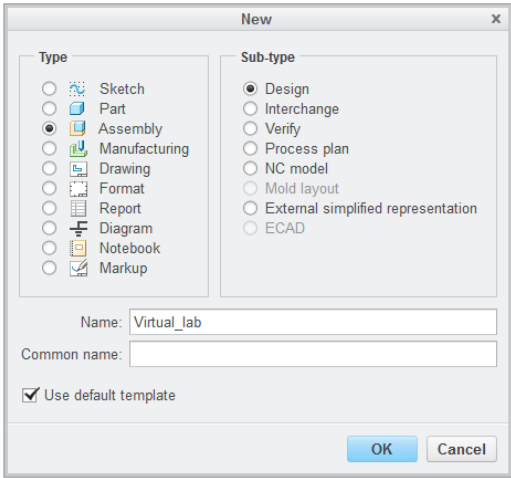




Use the field of play models and your robot system model to demonstrate your scoring methods

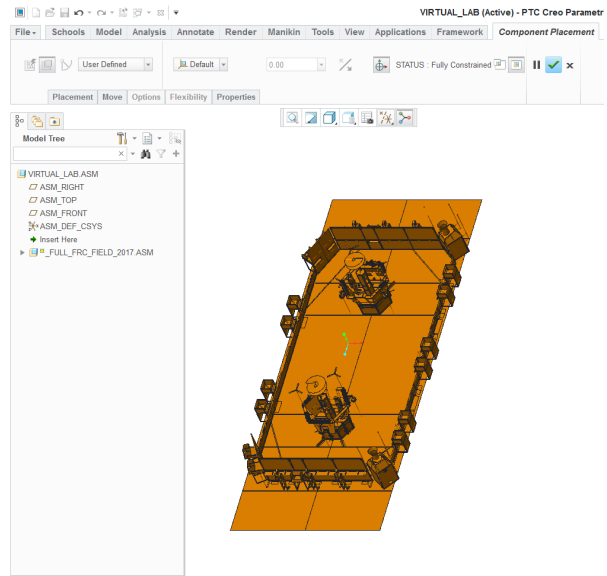
The 3D models of the field and kit of parts are useful in the design of your robot and also in the presentation. The instruction below show one way to use the models after the build season. The field of play models are available here: <http://www.ptc.com/academic-program/k-12-program/students/first/software>

1. From the File menu, select **New** and choose **Assembly** for file type.
2. Name the new file. Click **OK**.

The file in the example is named Virtual_lab.



3. From the Model tab, click **Assemble** . Navigate to the folder that contains the field of play models and open **_full_frc_field_2017.asm**.
4. Place the field model using the **Default** placement and click .

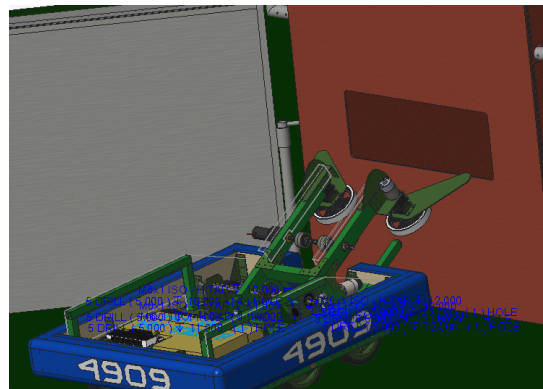


5. Place your robot on the field to demonstrate that the design works with the dimensions of the game elements.

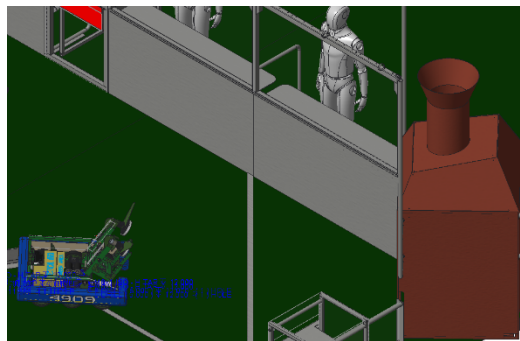
Every scoring position should be reviewed and documented.

Take screenshots of the robot in each scoring position.

The images can be used to demonstrate the functionality of your robot design.



Low boiler



High boiler

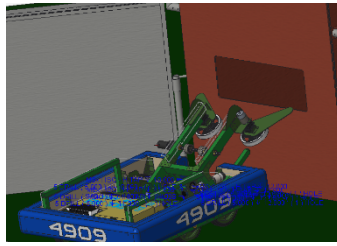
Autonomous

Driver-controlled

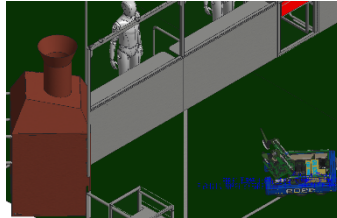
End game



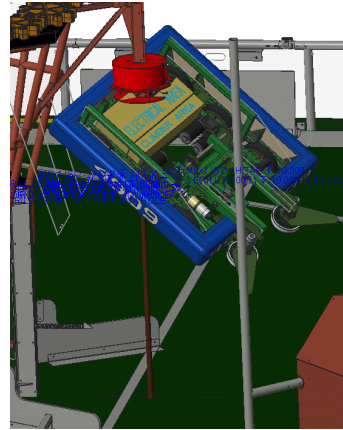
Delivers gears



Low boiler



High boiler



Aboard the airship

ptc academic program

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