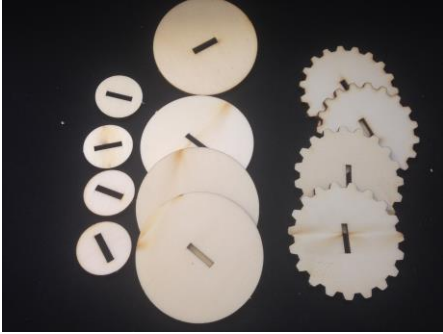


Tank lesson plan # 4



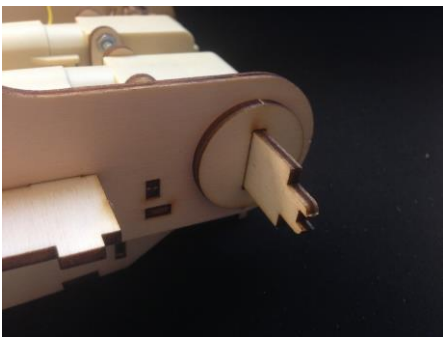
Next, we are going to assemble the cog wheels on to our model.

Please make sure the kids have a clean and organized work space before taking and filing the parts as shown in the picture. It would be easier if the kids don't mix up their parts with other kids.



For each cog wheel we need:

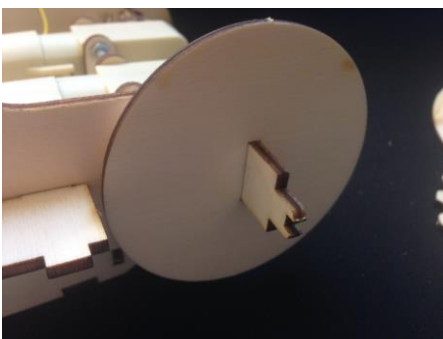
2 small circles, 2 large circle and 2 cog wheels.



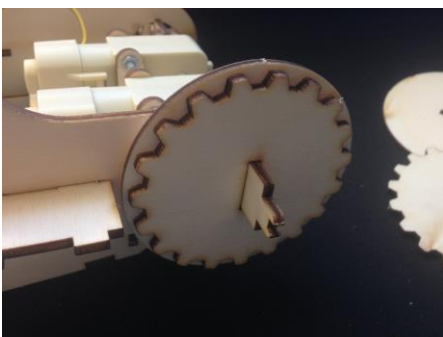
Follow the instructions carefully, make sure you check the models after each step.

DO NOT use glue!

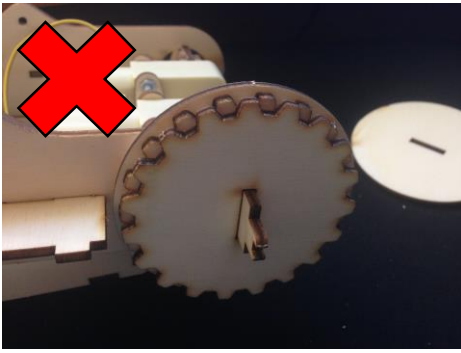
Insert a small circle all the way onto the hinge



Then, insert a large circle

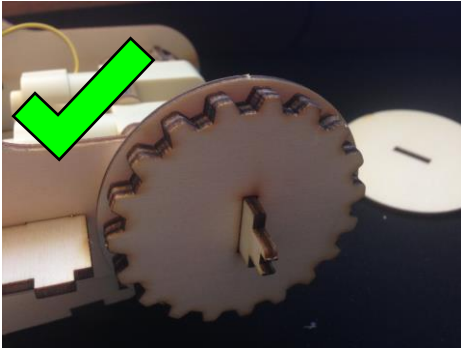


Take 1 cog wheel and insert it onto the hinge.



Insert the 2nd cog wheel. Make sure both wheels align, if not turn the wheel around.

This picture shows you what NOT to do.

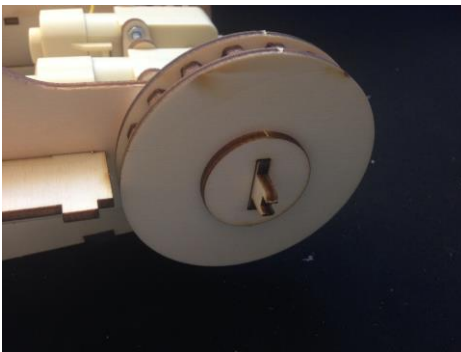


On this picture we can see the proper insertion of the second cog wheel.

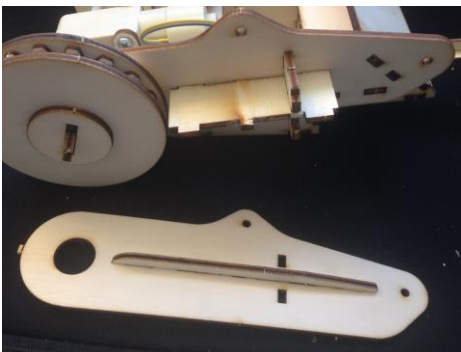
Only after checking ALL the models, you may continue to the next step.



Insert another large circle.



Then, insert another small circle

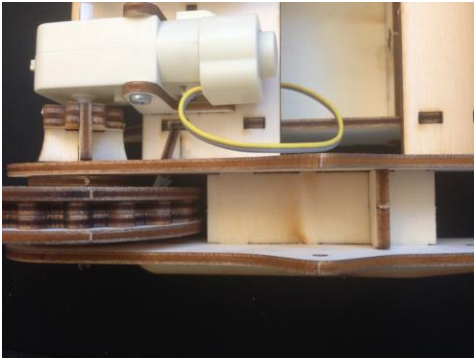


Take the part we glued in the previous lesson

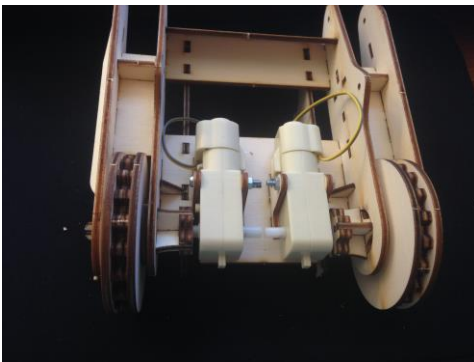


Glue the side wall, and lock the cog wheel in its place. Make sure NO GLUE touches the cog wheel.

Make sure both bumps are parallel



Make sure there is no space between the wooden parts!



Do the same process for the other cog wheel and side wall.



Carefully break and file down the parts as shown in the picture



Push the "cross" part onto the hinge, into the circle.

DO NOT USE GLUE!



With a small drop of glue, glue the “hill” part on the tip of the hinge (look at red arrow)

In order to make sure you glued it right spin the wheel.

You can't have to wheel glues to the side wall!!!!!!