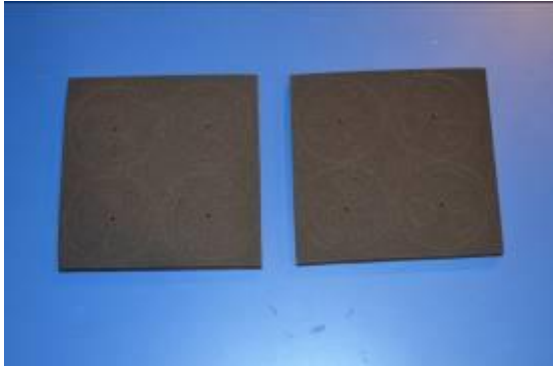
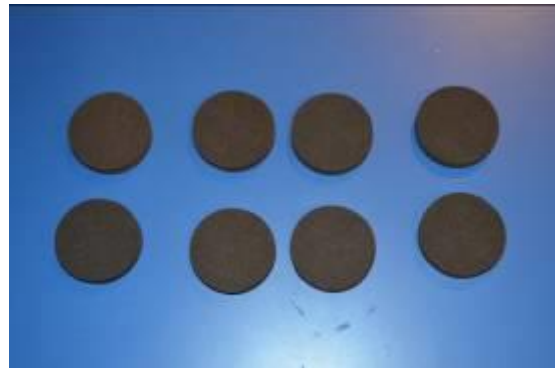


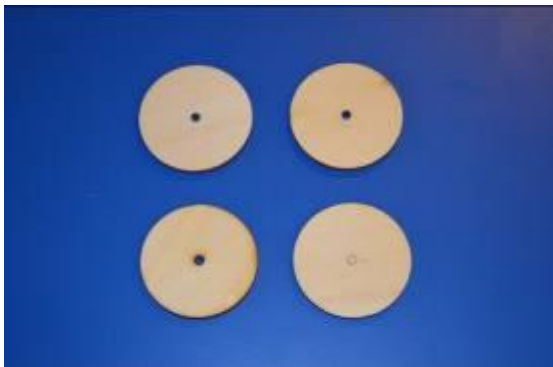
Excavator- 5



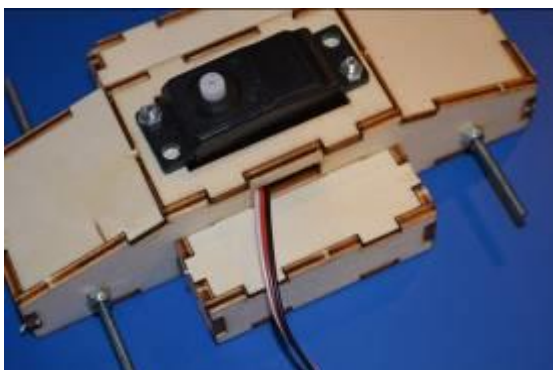
First, check all the parts from the previous lesson plan, If needed apply more glue on the parts and let them dry as we continue with today's lesson. Once checked and completed, continue.
Hand each student 2 foam wheel plates.



Pop the wheels out, and clear any extra pieces from the wheel. Throw all the leftover pieces to the trash



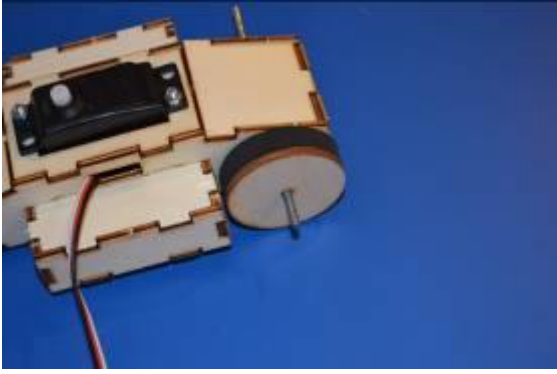
Each students gets 4 wooden wheels.



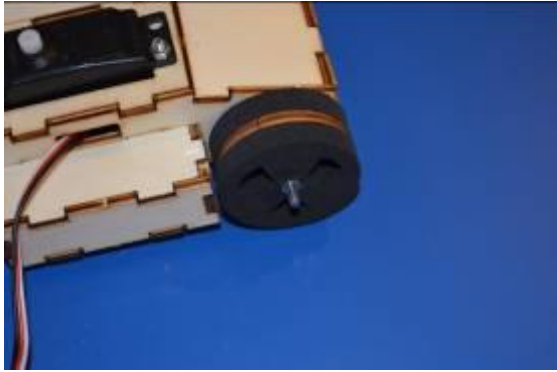
We are going to assemble the wheels onto the part shown in the picture, all the other parts should be in the plastic bag or aside.



Insert one black wheel, apply a little glue on the outer side.



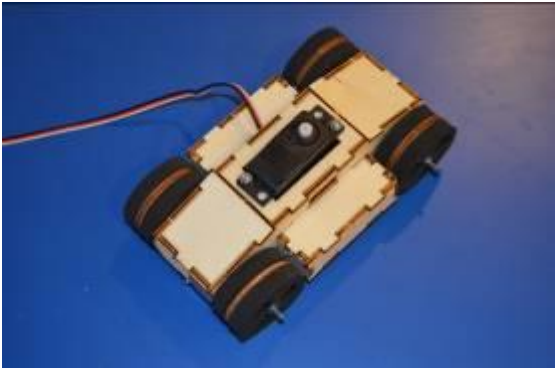
Insert 1 wooden wheel, apply a little glue on the outer side of this wheel as well.



Insert another black wheel.



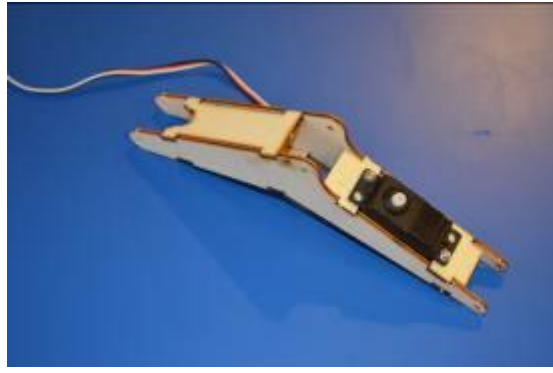
Hand each student 4 regular lock nuts. Once we finish making the wheel "sandwich" tighten the locknut on the screw as much as possible.



Repeat the same process until you have all 4 wheels assembled. CHECKPOINT!!!



Once checked, hand each student 1 servo, 2 servo (10) screws and 2 regular locknuts.



Place the servo in its place. Make sure the hinge is close to the center of the arm (red circle). Once placed correctly, secure the servo using the screws.



Once checked and completed, hand each student 1 servo, 2 servo (10) screws and 2 regular locknuts.



We are going to slide the servo from the outer side onto the small arm. Make sure the white hinge is close the center of the arm. Once placed correctly, secure the servo using the screws. CHECKPOINT!!! Check both servos.



Pop out the short wooden arm as shown in the picture. Hand each student 1 bug screw and 1 servo head.



Screw just the tip of the bug screw into the small whole of the arm.



Place the servo head in its place. Make sure the bump is facing the floor. Once checked, tighten the bug screw.



Pop out the long wooden arm as shown in the picture. Hand each student 1 bug screw and 1 small servo head.



Screw just the tip of the bug screw into the small whole of the arm.



Place the servo head in its place. Make sure the bump is facing the floor. Once checked, tighten the bug screw.