Portfolio Guide Reflection

1. Our assignment is to construct a robot that will find an object, without using visual aid, using the assigned kit.
2. We needed to know what other designs were before we began building our own we went to YouTube and watched *LEGO NXT 2.0 MAZE BOT* and observed its tripod design.
3. We started with a tank design. This design was proven ineffective because the gears kept binding up on the turns. It was replaced with the tripod design
4. We are looking at a two 3” wheeled robot with insect like mandibles protruding from the front about 5 in. in length. The wheels are near the center of the brick the mandibles are sticking out the front.
5. We did not receive any feedback from peers that I know of. Mr. Croke did however teach use how to operate the Bluetooth and video camera.
6. See number 5.
7. It would be to remove the swivel wheel. Its intent was to stop the robot from doing a wheelie. Sadly, problems occurred. When we attempted to reverse directions, the wheel would jam. The wheel was also responsible for the hook that occurred when trying to drive strait. When we removed it after capturing the duck the first time, we discovered that the robot could not pull a wheelie due to our claws weight, in addition handling and speed were greatly increased. We will not be using the swivel wheel in our final test.