mBot Resources for Your CG1111 Project:

1. Assemble your mBot according to the instructions given inside the box.

2. You can download the latest Makeblock libraries from the following link:
   https://github.com/Makeblock-official/Makeblock-Libraries
   - Follow the instructions on the webpage to add the libraries into your Arduino IDE on your laptop.
   - You can find the source code for the mBot's factory firmware by navigating to /examples/Firmware_For_mBlock/mbot_factory_firmware
   - You can learn a lot about how the mBot works by going through the factory firmware.
   - In addition, there are many code examples inside the subfolder /examples/, from which you can learn how to work with some of the components on your mBot that you would need for your project (e.g., LDR, line sensor, DC motors, speaker, etc.).

3. The schematic for your mCore (i.e., mBot's brain) can be downloaded from this link:
   https://github.com/Makeblock-official/mBot_Firmata/blob/master/hardware/mCore.pdf
   It serves as very good reference when trying to understand how the firmware works.

4. You should try to understand how the firmware works during Week 8-9. This gives you a head start once the project specifications are released.