Process for reflashing the SD card (and preserving all of your settings):

Best if this is done while using the buffalo access points.

1) Commit anything not committed on your robot (you should be doing this regularly anyways)
2) Blow away the duckietown directory on your robot ($ rm -rf duckietown)
3) copy your home directory from the robot onto your laptop
   $ sudo scp -r ubuntu@<your_robot>.local:/home/ubuntu _some_path_on_your_laptop
4) copy your host files from your robot
   $ sudo scp ubuntu@<your_robot>.local:/etc/hostname _some_path_on_your_laptop
   $ sudo scp ubuntu@<your_robot>.local:/etc/hosts _some_path_on_your_laptop
5) shut down your robot
6) Hand your SD card to a staff member to upgrade
7) Wait about 5 mins for your image to get made
8) Get your SD card back - put it in your robot and boot up
9) Test that you can ping it
   $ ping duckieimagev120.local
10) move the host files back that you copied off before
   $ sudo scp _some_path_on_your_laptop/hosts
ubuntu@duckieimagev120.local:/etc/hosts (you will have to enter password of course..)
   $ sudo scp _some_path_on_your_laptop/hostname
ubuntu@duckieimagev120.local:/etc/hostname (you will have to enter password of course..)
   11) reboot the Pi
   12) test you can ping <your_robot>.local
   13) scp -r _some_path_on_your_laptop/ubuntu ubuntu@<your_robot>.local:/home
   14) ssh <your_robot>.local (should NOT need password)
   15) git clone git@github.com:duckietown/Software.git duckietown

don't forget to switch to the right branch