Reading For November 5-9th, Physics 364

Before/For Monday the 5th:
Read the entire lab, and at home setup the Arduino, and attempt parts 1 and 2.
Take a look at cool things Arduinos can do:
https://www.youtube.com/watch?v=dX37LFv8jWY
http://www.instructables.com/contest/arduino/

Before Wednesday the 7th:
http://redwood.berkeley.edu/bruno/npb261/aliasing.pdf

Before Friday the 9th:
Required:
http://hyperphysics.phy-astr.gsu.edu/hbase/electronic/adc.html
http://www.dspguide.com/CH3.PDF to paragraph 3 on page 42.
Write(or at least outline) a program before class on friday to perform successive approximation ADC conversion.
Optional videos covering similar material if the reading isn't making sense:
http://www.youtube.com/watch?v=D4dfZj8pi2A&feature=relmfu (This has some decent nyquist analogies)
http://www.youtube.com/watch?v=7X53_QCXbjk