The goals of Educational Technology in the Willamette University Masters of Arts in Teaching Program are to assure that our graduates have
- skills in the use of technological tools for both
  - use in preparation and professional practice
  - for integration into student learning activities
- the ability to integrate technology into lesson design to enhance student learning

To this end, Ed. Tech. has two components.
- Lessons in technology skills
- Lessons in the integration of technology into student lessons

We recognize that some students come into the MAT Program with considerable skills in the use of technology and can find the lessons in technology skills to be less than challenging. Therefore, we have developed the following practical exam to allow those students to prove their skills. If you can accomplish the following tasks and do so in less than three hours of work, you will be allowed to skip the skills segment of the course. Three hours of work may save you nine hours of class time.

Should you decide to challenge the skills portion of Ed. Tech., here are your tasks…
1. Using whatever blogging site you wish, create a blog which you might use as a student teacher. It should have…
   1.1. A picture of you
   1.2. A quick bio of yourself so that students and parents to learn about you
   1.3. Links to any other web resources you have or plan to develop. Either link those resources if it’s the former or add “under construction” if it’s the later.
   1.4. At least three initial posts…
      1.4.1. These posts should evaluate three websites you’ve found that you feel would be helpful to either your students or fellow teachers. Describe the content of the site and tell your viewers what’s there that you think would be helpful.
      1.4.2. Links to those sites
2. Using data provided to you in the same place you retrieved this practical exam (Skills Testing.xls), use Excel to find the six students who showed the least
growth during the school year (highest score minus lowest score) and then develop a graph showing how they progressed during the year. The elements of this task that we’ll be looking for are…

2.1. A spreadsheet that correctly calculates student gains through the year
2.2. Extraction from that data the six students with the least growth
2.3. A line graph that shows how those six students progressed throughout the year
   2.3.1. A title on the graph
   2.3.2. Axes labels
   2.3.3. Legend

3. Using either ipicture and imovie on a Mac, or Windows Movie Maker on a PC, develop a movie that has the following elements…
3.1. Three pictures (photos in Media Folder.zip available where you found this exam) that have been edited to remove red eye and are cropped to show key elements of the photo but not extraneous parts of the image.
3.2. The movie clip (also available in Media Folder.zip) edited to remove unnecessary sections
3.3. A title at the beginning
3.4. Credits at the end

4. Develop a Powerpoint presentation that displays all of the above.
4.1. It should have at least five slides that do the following…
   4.1.1. Bullets describing your computer skills and a link to your blog
   4.1.2. Display a chart of the data for the six students you developed in #2
   4.1.3. Display the graph of the data on the previous slide
   4.1.4. Bullets describing what you developed in your movie along with a link that allows it to be played from the slide
   4.1.5. A slide with the following statement, “I accomplished all the tasks shown in this powerpoint presentation by myself. It took me ___ minutes to create what you see here.” Then scan your signature (there are scanners in the SOE lab) and add it to the slide.
4.2. The elements of the powerpoint we’ll want to see are…
   4.2.1. A pleasing slide design (theme)
   4.2.2. A different transition each time the slide changes (not a good thing to do in the real world but will show us you know how to do it)
   4.2.3. The elements of each slide added to the slide with a click of the mouse rather than all appearing all at once (animations)
   4.2.4. Some clip art or picture(s) added to the slides

5. Finally, you’ll need to include all these elements in a folder, zip it into a .zip file, and e-mail it to cdbrantl@willamette.edu or put it all on a CD and deliver it to Chris Brantley’s mailbox at SOE.