

Module 5- Laboratory Assistance

In my Design and Drafting Course, most of the activities involved self paced sketching of three dimensional objects in a multi view drawing. The lesson I was asked to teach involved getting students prepared to transfer their drawings onto computer using AutoCad LT. The teacher encouraged the students to develop their special skills without giving answers away. I was able to see how the teacher had the students open up a template and change settings in order to create a NewDrawing.dwg file for the students to start their drawings. The teacher and I then discussed possible approaches to having the students learn layers, which were tools the students would also need to be able to complete future drawings.

For the most part, the students didn't find the lesson challenging. One student in particular had difficulties with spelling, but kept up and created all of the layers as discussed.

The nature of the lab didn't require addressing any safety concerns, but the cooperating teacher and I discussed ways that we could control the students' attentions. By having a laptop with AutoCad installed on it, I was able to plug into a large T.V. monitor that made demonstration much easier for the students to see. This method was new to the students because the computer hooked up to the monitor didn't have AutoCad on it.

At the end of my lesson, my cooperating teacher thought I had presented very well. I was able to finish my lesson in about 50 minutes and with the five minutes I had left over, I took the lesson a little further to show the students how I used the Section Line layer to create hatching in an enclosed area of lines in their drawing.

(see Lesson Plan)