

DVR Industrial Technology Committee

Meeting 2 – Tuesday, November 12, 2013 12:00PM

Topics: AutoCAD, Architecture, Engineering & Design

Meeting Took Place at East Leyden High School

3400 Rose St

Franklin Park, IL 60131

Library Classroom A, CAD and Metals Labs

In Attendance: Frank Holthouse - Leyden, Brian Collier - Ridgewood, Carl Fedeles - Proviso

Presentation and Discussion of Programs of Study Website .

- Members reviewed all sections of www.DVR-EFE.info.
- Members were shown how to systemically review student schedules for accuracy.

CNC Router Tutorial

- Mr. Holthouse demonstrated cutting CAD files on a CNC router. Members cut an oversized ruler for classroom use. Members were shown how to place files in relation to an absolute zero and convert the final design to a DXF file for Computer Aided Manufacturing (CAM). Next, members were shown how to mount stock, offset tools, zero the machine and run a CNC router.

Laser Engraver Tutorial

- Mr. Holthouse demoed how to design for and use a laser engraver. Leyden purchased a laser engraver to mark students' 1:1 device. When the machine is not being used for this purpose it is used by the Industrial Technology department. Leyden recently began using the machine to engrave key chains as part of a local charity effort. Mr. Collier noted that Ridgewood has a laser engraver as well and they will be trained on it this week. The demo covered starting up the machine, preventative maintenance, and operation.

Sharing of Curriculum

Members shared several lessons and projects.