

DVR Industrial Technology Committee

Final Report 2012-2013

YEAR FOCUS: Finalize Individual Programs of Study Grids, Establish Dual Credit opportunities

Meeting 1 – Friday, October 12, 2012 8:00AM

Topics: AutoCAD, Architecture, Engineering & Design

Meeting Took Place at East Leyden High School

3400 Rose St

Franklin Park, IL 60131

Library Classroom A

8:00 am

In Attendance: Frank Holthouse - Leyden, Brian Collier - Ridgewood, JoBeth Halpin – Triton, Antigone Sharris - Triton, Carl Fedele - Proviso

Programs of Study in the CAD, Arch, Engineering Areas discussed and worked on.

- a. An example POS was shared from the DVR-EFE website.
- b. The group worked with in the ARC and ENT areas. Ms. Halpin shared her Architecture Concentration curriculum, as well as ARC 189 Syllabus. Ms. Sharris walk us through her area. Some minor changes were made on all maps.
- c. The suggestion of adding course numbers to the post-secondary level of the POS was given.
- d. Ms.Sharris and Ms. Halpin said they would refine their post -secondary changes on one map and notify Mr. Holthouse of the changes, so that he could copy the changes to all maps.

Tour of Leyden's Facilities – All members toured the Metals, Autos, Woods/Construction and Engineering Labs.

Dual Credit Discussion – At the recent Common Core event at Hamburger University it was shared that the College of DuPage uses placements tests which allows Freshman and Sophomores to earn dual credit. This setup avoids ICCBs restriction that bars all Freshman and Sophomore from dual credit opportunities. This is especially helpful for the high school elective courses as it is rare to have a course with strictly Juniors and Seniors. All members discussed if it would be possible implement a similar process with Triton. The second question that came up about instructor requirements in the ARC and ENT Area. It was unclear what exact qualifications are needed. The following dual credit possibilities were discussed:

- Triton's AUT112 may work with Proviso's and Leyden's Autos II content.
- There may be a Independent Building Contractor course that relates to Leyden's and Ridgewood's construction course.
- There is a shared content between ENT255 & ENT 110 and PLTWs Intro to Engineering Design.
- Triton's ENT160 content might be a good fit for Leyden's Metals II course.

Lesson Share: Teachers shared various lessons and curriculum including a look into the PLTW and Ebd STEM areas.

Meeting 2 – Friday, November 2, 2012 8:00AM

Topics: ITEC Conference
Bloomington-Normal Marriott Conference Center
201 Broadway Street
Normal, IL 61761

In Attendance: Frank Holthouse, Mike Matticks, Katie Diebold, & Greg Lindemann - Leyden, Brian Collier - Ridgewood, Carl Fedele – Proviso, Ryan VenHorst & Nick Michalek – Oak Park River Forest High School

Group members Follow ITEC Agenda. The morning began with a Keynote speech from Dr. David Kennell, Associate Director of the Center for Renewable Energy, and an Instructional Assistant Professor in the Department of Technology at Illinois State University. He presented his innovative projects in green energy and successes of the Caterpillar Integrated Manufacturing Laboratory at Illinois State University. Next the group attended several breakout sessions.

During the lunch break , group members discussed best practices. Many insights into the implantation of STEM programs were shared. Afterwards, members continued to attend breakout sessions from 1:00-4:00. At the conclusion of the day members met to discuss Programs of Study in the CAD, PLTW, Engineering by Design, Printing, and Construction Areas. An example POS was shared from the DVR-EFE website was shared. The group was reminded of the procedures and critical dates and continued reviewing and making edits where appropriate.

Meeting 3 – Friday, March 22, 2013 9:00AM

Topics: Construction & Manufacturing
East Leyden High School
3400 Rose St
Franklin Park, IL 60131
Library Classroom A

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

Tritons Mechatronics and Independent Building Contractor programs were reviewed. Discussions focused on ideal secondary classes, skills needed to be successful and potential job opportunities.

State course descriptions were shared for curriculum alignment for the 13-14 school year. Members were also reminded to reflect any changes of their course offerings to their Programs of Study Excel files.

Members toured Leyden's the Metals, Construction and Engineering Labs. A demo of the Dimension U Print and ShopBot was given. Potential uses, cost, training, and maintenance were covered.

Members shared ideas regarding making students aware of the opportunities in Industrial tech. Members shared their experience with school clubs, organizations, and special events ran at each school.

Examples of curriculum ideas, sample assignments, or student work were shared with other teachers at the meeting.

Meeting 4 – Friday, April 5th, 2013 - 8:00AM

Topics: Automotive Tech

Triton Community College

2000 Fifth Ave.

T Building

River Grove, IL 60171

708-456-0300, Ext. 3453

In attendance: Joe Shilts, Jeff Clarke – Leyden High Schools, Bruce Specht – Riverside Brookfield High School, Nick Michalek-Oak Park River Forest High School, Carl Fedele – Proviso High School

Triton College welcomed members and reviewed the advantages of the automotive program at Triton. Numbers of graduates from local high schools were shared with members.

The instructor seminar focused on maintain the Chevy Volt and Ford Fusion Hybrid. Concern was expressed among instructors regarding the danger of high voltage electricity and students in lab situations. More focus will have to be brought to this issue as hybrid and electric vehicles become more common.

Next members toured of Tritons' facilities.

State course descriptions were shared for curriculum alignment for the 13-14 school year. Members were also reminded to reflect any changes of their course offerings to their Programs of Study Excel files.

Members shared ideas regarding making students aware of the opportunities in Industrial Tech. Members shared their experience with school clubs, organizations, and special events ran at each school.

Examples of curriculum ideas, sample assignments, or student work were shared with other teachers at the meeting.