

# DVR Technology & Engineering Education Committee

## *Year End Report 4/28/17*

The DVR member schools have worked together this year to discuss the goals listed below. In addition, there are some changes being made in some districts to continue developing the Technology and Engineering Education Programs. In addition, some equipment requests are included which are intended to support the programmatic goals and growth of the TEE programs serving the CTE student populations at each school.

**Leyden-** dropping Car Care and adding Automotive Service.

Requesting 2 tire changing machines, 1 manual milling machine, 1 manual lathe, 1 drill press, and 1 air compressor

**OPRF-** preparing to implement Computer Integrated Manufacturing (CIM) in Fall 2018 and moving some of the classroom space to areas that would consolidate the location of the TEE courses.

Requesting a Jointer, Mortiser, Miter Saw, Joiner and Filter for Manufacturing Based courses and Digital Electronics student equipment.

**Riverside-Brookfield-** Offering the same courses as 2016-17.

Requesting an Epilog Laser Engraving Machine to be used in engineering and integrated with marketing courses as well.

**Proviso-** Schools are continuing with current curriculum and implementation of PLTW courses.

Requesting automotive equipment. No details yet.

**Ridgewood-** Implementing PLTW programs and continuing with Geometry in Construction.

Requesting a 3D Printer, Plotter, and a Jointer.

**Elmwood Park-** No current TEE program

The DVR Technology group has met this year and covered topics pertaining to the following goals.

1. The schools will have a representative at each meeting to discuss curricular content areas at the DVR consortium schools.
  - a. Each school has been sending representatives to discuss curricular alignment and goals in the Technology and Engineering fields. Three districts (Proviso, Leyden, OPRF) are currently offering PLTW in combination with other tech programs. Other schools (Ridgewood and Riverside-Brookfield) are continuing with

- previous coursework in TEE. Ridgewood has implemented Geometry in Construction as a Math-CTE course as well.
2. Schools will attend field trips in order to offer students opportunities to interact with professionals in various career fields.
    - a. The partner schools have attended the Manufacturing and the Engineering Career Spotlights hosted by Ridgewood and OPRF this year. OPRF students also attended a trip to Elkay Mfg. in Broadview and Leyden students have field trip opportunities created through their Metals programs.
  3. Dual Credit opportunities have been afforded to the high school students through Triton.
    - a. This year presented some challenges in getting students enrolled at Triton with the entry exams, however students from the schools have been offered Dual Credit and many are taking advantage of the opportunity.
  4. Each school should be utilizing an Advisory Council in order to guide their programs of study and in order to assist in making equipment purchases with recommendations to industry alignment for quality and skill development.
    - a. Leyden is the example school in the district and other districts have seen how they lead by example. To this point, each school has business and industry contacts that are generally informal. This point has been discussed at the meetings as needing extra support from administrators for time and organizational efforts to help formalize these Advisory Councils. While the current utilization is helping schools make decisions, there is room for growth and many of the TEE teachers have expressed a desire to see more support from industry to help infuse career awareness in their programs.
  5. Teacher attendance to professional conferences from each of the member schools.
    - a. Members of our various districts have attended several regional, national, and international conferences this year. RB sent representatives to the Association for Career and Technical Education (ACTE) Conference in December. Ridgewood, OPRF, and Leyden had representatives at the Illinois Technology Education Conference (ITEC). OPRF and Proviso will have representatives at the International Technology and Engineering Educators Association (ITEEA) Conference.

### **Scheduling of Meetings for 2017-2018**

The following dates were discussed among the attendees as suitable dates to plan for the Technology and Engineering and Industrial Technology Committee. These are tentative at this point and will be confirmed in early September of 2017.

General All Areas Meeting- ITEC- Oct. 27-28, 2017

Manufacturing Meeting- Triton- Dec. 1, 2017 Joint Advisory Meeting T-126, DVR

CAD/Engineering Meeting- January 19, 2018 at OPRFHS or Leyden, TBD

Construction Meeting- March 8, 2018 at Ridgewood HS

