

DVR Technology & Engineering Education Committee

Meeting 2- Friday, Dec. 13, 2019 8:30 AM-1:30 PM

Triton Main Campus (East), T Building, Room 126

Our goal is to have at least 1 representative from each school at every meeting in order to facilitate communication and help support each school through our interactions with Triton, DVR, and the requirements of our programs in educating our students.

Attendees- Ontisar Freelain (Proviso West), David Weishaar (RB), Sheree Winfield (Proviso West), Lindsey Longstreth (Leyden), Derek Cappaert (Ridgewood), Ryan VenHorst (OPRF)

Manufacturing Programs Focus

AGENDA

Snacks and Introductions

General DVR Information Update (HS and Triton)

Dual Credit Discussion – bring relevant course curriculum guides for discussion

Leyden- continue with previous dual credit.

Ridgewood- continue with previous dual credit. GiC, Business/Algebra II could have potential for dual credit.

RB- no agreements at this point

OPRF- continue with previous dual credit. Look into Computer Integrated Manufacturing alignment.

HS Advisory Councils Information Distribution

Leyden- continuing with manufacturing advisory council

All other schools- continuing with current business relationships. Each school has built relationships with local employers and uses them in guiding decisions for equipment needs. There are opportunities for students to meet employers for possibly summer internship and employment opportunities. Several schools (Leyden, OPRF, RB, Proviso) are in the process of continuing to use a career pathways facilitator or creating positions to expand employment opportunities for students.

Action Items- assign a rep from each school for Jan. 23rd meeting

We are looking to set up a meeting that includes time for dual credit discussion and alignment with the ENT department at Triton. This meeting date will be determined in January.

Recap ITEC-

ITEC was held in Bloomington on Nov. 8-9 where Technology and Engineering Educators met for the annual Technology Educators Association of Illinois conference. The conference focused on integrating subject areas in the CTE classroom so students can see the importance of the academic areas including Science, Mathematics, English, and History when working on projects related TEE. The example presented by the Normal Community High School incorporated reading, math, and science in a project where students created carnival games to be used in a school activity fair.

Discussion among the group centered around bigger projects in our courses that offer students the opportunity to see the bigger picture in the working world. Ridgewood has implemented Geometry in Construction and an Algebra II/ Business course where academic and career intersections are demonstrated more intentionally. The schools with PLTW programs offering EDD (capstone) also have a place for students to integrate their core academics with career study.

TRITON ADVISORY MEETING

Core Meeting-

Triton Advisory Council

Triton- enrollment is up with 43% of students in the 18-20 yo range

FAMTEN- (pg. 2 of handout)

Deltrol has helped 2500 students through the program over 10 years. There are over 20 Action Challenges across the country. Original Program was in Waukesha, WI. Funding for Action Challenges comes from members of the NFPA. There are over 350 companies supporting their funding. There are manufacturers, suppliers, and distributors that participate in support of the industry outreach for education.

Business and University Partners

Dave S. – Opportunity Works Program for 16-24 yo

Soft Skill Training followed by an internship

TEE Committee Wrap-up

Advisory Council Plans

Certifications offered by each school

Needs for High Schools

Program

Equipment

Ryan VenHorst- OPRF Technology Teacher

Val Kikoras- LaGrange Area Department of Special Ed., Vocational Department for LT and RB

Evelyn Siler- Applicant Outreach for ICATT

Anthony Webster- Triton Corporate Outreach

Eric Brundle- CAD Manager at Elkay Manufacturing

Lindsey Longstreth- Leyden Metals and Leyden Tech Council Member

Dave Swanson- Business Relations Specialist for Chicago Workforce

Dan Rinneau- Proviso East/West Computer Science

Sheree Winfield- Proviso West

Antigone Sharris- Triton ENT Chair/Coordinator

Monique- Proviso East Business teacher

David Weishaar- RB Engineering, Industrial Tech, Auto, CAD

Bob Hammond- Deltrol Fluid Products in Bellwood

Derek Cappaert- Ridgewood Engineering Teacher

Lynn Beyer- Workforce Development for NFPA and FAMTEN (Fluid Power Association
Manufacturing Training and Education Network)

Kathleen Gurley- GCAMP (non-profit to solve the skills gap in high school) connecting students
with manufacturers and promoting manufacturing

Ontisar Freelain- PLTW at Proviso West

(Derek C.) Mobile Makers, Algebra II with an app. Geometry in Construction integrates required content with exposure to career fields.

AS- What funding sources can create extracurricular activities for STEM, Tech, and Manufacturing.

AS- What flaws do we have for fostering students from education to career.

BH- People aren't lining up to work because unemployment is so low. They need operators, not programmers.

KG- Students need to have their expectations set to work their way through a pathway. The direction is from bottom up, not top sideways. We need to let them know that they should learn to earn their way working up in the company.

LL- Leyden Advisory Council is having a discussion among manufacturers of getting students more quickly into meaningful work. This will have students going in with less discouragement about the work that is being done for the products going out to sale.

DS- ETHS had a consultant talk to them about companies creating a "lattice work" pathway for employees to see what is possible within a career or company.

BH- Deltrol is looking to create internal pathways to see the company and how their roles can help/change to participate within a company.

AS- WEI is a work initiative program for the Proviso District to do A+. Ridgewood has been integrating curriculum well, and Leyden has been creating career pathways very well for many years.

ES- ICATT Apprenticeship program- see handouts

KG- Apprenticeship tax credits of \$3500-\$5000 per student was mentioned as something new for job training.