

Denfeld AYES Automotive Program- Curriculum Update

Requirements:

The ISD 709 Automotive Program, currently located in Denfeld High School, is one of eight AYES (Automotive Youth Education Systems) programs in Minnesota. To maintain the District's standing as an AYES school, the Automotive Program has been inspected and certified by an organization named NATEF. The NATEF (National Automotive Technicians Education Foundation) has conducted visits, inspections, evaluations, and observed the program in session every five years since 2002, when we first reached the status of a nationally certified High School. The latest Automotive Program Re-accreditation took place on October 12, 2012, and will expire in the fall of 2017.

Since 2002, ISD 709 has enjoyed "Free Curriculum" from the AYES organization. Staff have used that curriculum and taught 4 of the areas of ASE (Automotive Service Excellence); Steering and Suspension; Brakes; Engine Performance; and Electrical and Electronics.

In 2013, NATEF developed new Technical Standards which require teaching 8 areas of Automotive Service, adding Manual Transmission; Air Conditioning; Engine Repair; and Automatic Transmission to the previous Areas. NATEF named the new 2013 High School Standards MLR (Maintenance and Light Repair).

These new MLR Technical Standards rendered the current "free AYES" curriculum outdated, obsolete, and not usable. All high school programs are facing a curriculum update to maintain NATEF Accreditation. I have attended 6 meetings in the last two years, working with the other Minnesota high schools to become familiar with available MLR curriculum.

Rationale:

The result of attending these meetings and my personal research led to 4 vendors who are currently marketing MLR curriculum packages for AYES high schools. The 4 vendors that our Denfeld Automotive Advisory Committee (Business and Education Committee) evaluated are: CDX; Goodheart-Wilcox; MAST; and ARGO.

At our first meeting in September of 2013, the Advisory Committee reviewed offerings from the 4 vendors, and moved to eliminate MAST and ARGO due to the fact that those two programs did not have lesson plans, only video clips and worksheets. The committee moved to revisit CDX and Goodheart-Wilcox at the next B and E meeting.

At the next meeting, conducted on February 28, 2014, the committee viewed webinars. The Goodheart-Wilcox presentation was a disaster, and I called the "help line" and got no answer or assistance. The CDX webinar went very well, and I also called their "help line" and got immediate response from their technical representative. He took questions, gave good answers, and offered the committee members free access for further analysis. The committee utilized the free access on my Smart Board for about an hour, and unanimously moved to recommend the purchase of the CDX Curriculum for usage by the ISD 709 Denfeld Automotive Program.

The main goal of the committee was to conduct a curriculum study, and identify curriculum that met or exceeded NATEF Program Standards, and the Standards established by the committee. CTE Principal, Jim Arndt, was present at the September 2013 meeting and led the discussion concerning standards, goals, and District Policy.

- To provide access to all students at all times.
- To completely satisfy all requirements of AYES and NATEF, maintaining District Program Accreditation, and the associated benefits thereof.
- To maintain our existing articulation agreements with Lake Superior College, Universal Technical Institute of Lisle, Illinois, and the MNSCU Automotive Programs.

- To continue to utilize the “End of Program Exit Exam” for both articulation and access to funding.
- To provide solid learning opportunities, career pathways, summer internships, real-world technical skills, life-long learning, and gainful employment.
- To integrate STEM learning activities to our students and bring the concepts of science, technology, engineering, and math to life in our day-to day lab and classroom lessons.
- To maintain the donations of tools, equipment, and vehicles through the AYES network.
- To retain free or discounted AYES and NATEF summer training opportunities for the Automotive Instructors and staff.
- To build on the value of the 2013 NATEF standards and provide our community with qualified entry-level technicians who are ready to enter the Transportation Industry.

Request:

The CDX curriculum that was selected by our B and E committee is the highest quality AND also the most cost effective of all the offers that we reviewed.

The Goodheart-Wilcox quote is \$6000 per year, with access for 100 students.

The CDX quote is \$3495 per year, with access for 100 students, plus a pack of 5 Fundamentals of Technology E Books for \$250, for a total of \$3745 per year. The E Book is an option.

All products that we analyzed are marketed as a subscription, and are renewed annually.

As the Program Instructor, I want to run the CDX program as a pilot for the 2014-15 schoolyear.

CTE Principal, Jim Arndt, has reviewed this request and gave his approval on May 6, 2014.

Please consider and approve my request for the funding of this new curriculum.

Thank you,

Matthew "Phil" Rannila

Denfeld AYES Auto Instructor

Jones and Bartlett LLC: Estimate #QT07362

Kirk VanGelder [kvangelder@cdxauto.com]

Sent: Thursday, May 15, 2014 5:08 PM**To:** Matthew P Rannila; James C Arndt

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 5 Wall Street
 Burlington, MA 01803
 USA

Federal ID # is 26-1472540
 PO Fax Number: 1-877-929-9926
www.jblearning.com

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|----------------------------|----------------------------|
| Bill To | Ship To |
| Secondary Technical Center | Secondary Technical Center |
| 802 East Central Entrance | 802 East Central Entrance |
| Duluth MN 55881 | Duluth MN 55881 |
| United States | United States |

Estimate

Date 5/15/2014
 Estimate # QT07362
 Expires 6/30/2014
 Sales Rep Kirk VanGelder
 Currency USD
 Customer Denfeld High School

| Item | Quantity | Description | Rate | Amount |
|---------------|----------|------------------------------------------------------------------------------------------------|----------|----------|
| 9781284030389 | 1 | 12 Months Subscription to CDX LIGHT VEHICLE MLR with Unlimited LOGINS for one SECONDARY SCHOOL | 3,495.95 | 3,495.95 |
| 9781449671082 | 5 | PAC: FUNDAMENTALS OF AUTOMOTIVE TECHNOLOGY W/ACCESS CODE | 50.00 | 250.00 |

Total \$3,745.95

Hi Phil, Here is your price quote for CDX MLR. If you choose to order books, expect to pay about \$8 each for shipping. Please fax PO to 360-253-3486 or e-mail it to kvangelder@cdxauto.com . Jodi VanGelder

Shipping charges will be added to your order.