

Career and Technical Education Advisory Committee  
Fairbanks North Star Borough School District

Wednesday, November 4, 2015  
5:30 – 7:00 p.m.

520 Fifth Avenue  
School District Administrative Center  
Room 341, Third Floor

**AGENDA**

**A. PRELIMINARIES**

1. Call to Order
2. Roll Call
3. Approval of Agenda
4. Approval of September 9, 2015 Minutes

**B. PUBLIC COMMENT ON NON-AGENDA ITEMS**

**C. INTRODUCTIONS**

1. Caden Wassmann
2. Robyn Taylor, Principal Hutchison High School

**D. REPORTS**

1. ACTE Conference
2. ACTE Awards
3. Alaska Carl Perkins District Cohorts
4. Lathrop Update

**E. OLD BUSINESS**

1. Trade Union Introduction Courses
2. School to Apprenticeship
3. CTE Strategic Plan Board Presentation

**F. NEW BUSINESS**

1. State Workforce Innovation and Opportunity Act (WIOA)
2. State Apprenticeships
3. Carl Perkins Planning Grant

**G. INFORMATION**

1. CTE funding update
2. Ryan Middle School
3. District Interns, Teacher Assistants

**H. CLOSING COMMENTS FROM COMMITTEE MEMBERS**

**I. ADJOURNMENT**

Career and Technical Education Advisory Council  
Fairbanks North Star Borough School District

Wednesday, September 9, 2015  
5:30 – 7:00 p.m.

520 Fifth Avenue  
School District Administrative Center  
Room 341, Third Floor

## MINUTES

Daniel Domke  
Lisa Gentry  
Dawn Murphy  
Andrea Gelvin

Heather Christian  
Keith Swarner  
Rebecca Bruntz  
Wendell Whistler

### PRELIMINARIES

Daniel Domke called the meeting to order at 5:38 pm. Introductions were made around the table and the sign in sheet was passed.

The agenda was approved as presented. The minutes of March 31, 2015 were approved.

### PUBLIC COMMENT ON NON-AGENDA ITEMS

Health Occupations Students of America (HOSA) – Medical Explorer Career and Technical Student Organization (CTSO) update by Rebecca Bruntz.

### REPORTS

1. Brief overview of funding sources. CTE not singled out for budget cuts.
2. CONSTRUCTION ACADEMY (CA) GRANT: State of CA grant discussed regarding significant cut. Detailed move from high school to adult education.
3. CARL PERKINS GRANT: Federal pass-through grant reduced. Overview of Perkins All-in-One Report. Detailed Technical Skills Assessments. Industry driven credentialed programs.
4. HARD DOLLARS: Cuts made across the board, approximately \$102,000 cut to CTE.
5. Future of CTE funding discussed along with opportunity for change. Overview of upcoming report to the board regarding CTE.
6. COMMENTS: CTE is under promoted across the district. Swarner - What is the percent of reduction?

### OLD BUSINESS

1. CTE CURRICULUM: Pathways from Secondary to Post-Secondary discussed. Global view versus school view. Curriculum approval process discussed. Perkins funding requires state approval of courses. 108 courses approved by State through Perkins. CTE Curriculum has been approved through School Board. Now moving towards materials review to match curriculum / CTC. Review / move to online curriculum. Possible savings and instant update possibility for digital materials.

Comments: Fairbanks Memorial Hospital (FMH) wants to only hire Bachelor of Science in Nursing (BSN). University of Alaska Fairbanks (UAF) will start a BSN program in 2016 coordinated via University of Alaska Anchorage (UAA). This will be in addition to the Certified

Nursing Assistant (CNA) program. UAF Community and Technical College (CTC) has been very responsive to local needs. Faculty position will be UAF / UAA. This program may be expanded to Kodiak, Bethel, and Bristol Bay. Capacity is reliant upon what the local hospital can absorb. The wait list which can be up to three (3) years makes it difficult to enter the nursing field. CNA discouraged by road blocks to continuing education / career expansion. Competitive nature bars CNA applicants who just want to stay a CNA rather than use it as a stepping stone into nursing.

2. CTE FUNDING UPDATE: ESEA review.
3. CTE PROGRAMS OF STUDY – PERKINS V: Perkins V will require true programs of study from middle school through high school. Fire Fighter / EMT route from high school to college – Bachelors – Masters. Union apprenticeship opportunities. Pathways can have several looks depending on the cluster.
4. CTE STRATEGIC PLAN: What do CTE opportunities look like at each school? What is the district perspective? CTE's goal is to serve the greatest number of students with dwindling resources. Plan to use the employment projects to develop big picture using employment data. Health career is the easy place to start as it is the highest growing occupation. Construction, mining, union / trades are the next largest growing industry. Hospitality and tourism growing as well with an increase in Japanese / Chinese tourists year round. Winter season tourism is growing faster than the summer industry at this time. Transportation and logistics opportunities are also needed. It is the second largest private sector employment. Transitioning from school to the workforce was also discussed. Workforce development is number one concern for local businesses. Employment opportunities based on hard date in conjunction with Perkins Pathways that can align with the budget.

## **NEW BUSINESS**

1. TRADE UNION INTRODUCTION COURSES: Introduction to the Electrical Trades in conjunction with the Pipeline Training Center was offered last spring. The Introduction to Residential Plumbing class did not end up going due to low enrollment. These courses give students an avenue to prepare for apprenticeship. Three (3) of the eight (8) juniors in the Introduction classes have been asked to assist with volunteer projects through the Union to gain experience and further training. CTE is looking to expand interest in the Introduction to the Trades courses and School to Apprentice programs. These courses will be conducted at the Pipeline Training Center. FNSBSD cannot duplicate the facilities available through this partnership. MOA with Fairbanks City discussed including the internship with the Engineering Department from last year. This year students will continue with Engineering and IT Departments. CTE wants to expand internships to the school district and / or Borough.
2. PERKINS POST-SECONDARY GRANT: This grant can affect Tech Prep and tying in high school and college together. CTE will explore putting a health cluster in Lathrop in conjunction with FMH. Medical Coding and Billing is a huge need right now. A new coding system is to be introduced soon, and industry will have a large turnover of near retirement personnel who do not desire to learn the new system. Industry representative requested that medical billing be added to the health cluster as coding and billing experience will be invaluable on their health care resumes.

## **INFORMATION**

1. SCHOOL TO APPRENTICESHIP (STA): STA is high skill, high wage opportunity for graduating seniors. It allows high school students to bypass the apprentice process and go directly into a union apprenticeship. Overview of application and criteria discussed. Students must be committed and serious about this career choice. FNSBSD is seeking a large pool for this process. Opportunities may still exist for graduating students even if they are not accepted into the STA program. Plumbers and Pipefitters have utilized a similar process through the welding programs.

2. **PRESIDENTIAL SCHOLAR:** The Presidential Scholar Program has been expanded to include the CTE program. Based on rigorous academics, Career and Tech Education is becoming more relevant across the nation. The game is changing due to industry pressure. Five CTE student applications from Alaska will be forwarded for review on a national level. Currently we have no applicants for this opportunity. If we do, they are coming from Anchorage and Mat-Su. It would be nice to see some Fairbanks students make the running for the national level.

### **CLOSING COMMENTS FROM COMMITTEE MEMBERS**

Whistler: Direct entry into the apprentice from the King Career Center and now with AVTEC. A third program has been conducted through AK Works. The union would like to explore expanding that to Fairbanks.

Whistler: If Union can be invited to the Alaska Association for Career and Technical Education (ACTE) conference, they could figure out funding for his attendance. Northwest power producers will be at the Denina Center at the same time frame as ACTE.

Swarner: Alignments with CTC Drafting Curriculum – has a design and fabrication program. Union is doing BIM – Building Information using Auto Cad. All bending conducted off-site and assembled on site. Magelky is currently teaching 3-D courses. Shift of Project Lead the Way (PLTW) teacher from Ehnert to Benshoof discussed. Big opportunity for a partnership exists here.

Swarner: What about the students who are not quite ready yet? What are the supports for those groups? What happens to the ones who are on the lower levels of achievement?

Domke: The great equalizer of CTE is gainful living wage employment for every kid. The purpose of school is success in life after school. How do we offer equitable CTE opportunities for every kid in the district?

Health Care Industry: Internships / Apprenticeships have challenges due to confidentiality issues. Over 50 students from Lathrop's Rene Parsley's class toured FMH and Chena Goldstream Fire and Rescue (CGFR) ambulance. They discussed personal protection equipment. Employability discussed regarding driving records, criminal history, and substance use.

**ADJOURNMENT at 6:55 PM.**

# **SCHOOL TO APPRENTICESHIP PROGRAMS**

The School to Apprenticeship application packet may be found on the FNSBSD website at:  
**[HTTP://WWW.K12NORTHSTAR.ORG/PAGE/2563](http://www.k12northstar.org/page/2563)**

## Fairbanks North Star Borough School District

### SCHOOL TO APPRENTICESHIP PROGRAMS' TIMELINE

APPRENTICESHIP APPLICATION PROCESS	DATES	RESPONSIBLE PARTY
Students must be at least 17 years of age to apply and on track for high school graduation	2015-2016	Student
Applications made available to students no later than September 1, 2015	September 1, 2015	Counselors/STA Coordinator
Application due to student's school counselor	December 15, 2015 <b>no later than</b> January 15, 2016	FNSBSD students
School review (principal & counselors) and rank all applications	January 15, 2016 to February 15, 2016	Principal and counselors
CTE Director provides screened applications to trade unions	February 15, 2016	CTE Director
Principal may meet with trade unions, if needed, to review applications.	February 2016	Principal and trade union representatives
Trade unions notify the CTE Director of selected applicant(s).	No later than April 1, 2016	Trade union representatives
CTE Director notifies principals of selected applicants.	No later than April 1, 2016	CTE Director
STA Signing Ceremony with principal, parents, student, counselors, & trade union rep at the school district. Ceremony will be held at the FNSBSD Administrative Center in the School Board room.	Tentative date: May 5, 2016, 3:00-4:15	Principal
Students will begin the program near the time of graduation. Dates may vary with each union. Schools may need to work with students to accommodate final exams, etc.	May 2016	FNSBSD students, principals, counselors, parents, and trade representatives.

**SCHOOL TO APPRENTICESHIP PROGRAMS  
APPLICATION PACKET**

**Overview:**

The School to Apprenticeship (STA) programs are special agreements designed to enable high school seniors to gain direct entry into a registered apprenticeship program by applying to the STA program sponsored by the Fairbanks North Star Borough School District (FNSBSD) and one of the following:

Alaska Joint Electrical Apprenticeship & Training Trust (AJEATT),  
Fairbanks Area Carpenters,  
Fairbanks Alaska Area Plumbers & Pipefitters, or  
Ironworkers.

Successful applicants will become registered apprentices. As a registered apprentice, STA participants will be expected to conform to the apprentice standards and policies adopted by the trade organization.

**School-to-Apprenticeship applicants must provide proof of the following additional eligibility requirements:**

- Be at least 17 years of age and will be 18 years old by graduation,
- Be a resident of Alaska,
- Have a valid State of Alaska driver's license,
- Be currently enrolled in a FNSBSD high school,
- Be physically fit to perform the apprenticeship work, and
- Provide a résumé.

**SCHOOL TO APPRENTICESHIP APPLICATION**

Date: \_\_\_\_\_ High School Graduation Date: \_\_\_\_\_  
Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_  
Date of Birth: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip code: \_\_\_\_\_  
Email: \_\_\_\_\_  
Home Phone: \_\_\_\_\_ Mobile Phone: \_\_\_\_\_

<b>Education</b>	<b>Name &amp; Address of Institution</b>	<b>Dates of Attendance</b>	<b>GPA</b>

Highest level of math taken (e.g., Algebra, Calculus, etc.): \_\_\_\_\_  
List CTE courses taken within the indicated years (i.e., 9th grade, 10th grade, etc.):

<b>9th grade</b>	<b>10th grade</b>	<b>11th grade</b>	<b>12th grade</b>



The application packet must include the following:

- A completed STA application.
- A letter of interest expressing reasons for applying to the STA program.
- Proof of age by providing a copy of birth certificate or passport.
- Official local high school transcripts.
- School attendance record.
- WorkKeys scores.
- Valid State of Alaska driver's license with a copy of driving record.
- Current résumé containing work history.
- Two letters of reference from the applicant's school.

**Pick the top TWO apprenticeships you are interested in applying for (1-2) in order of preference, 1 being your most preferred apprenticeship:**

- \_\_\_ Carpenters Local 1243
- \_\_\_ International Brotherhood of Electrical Workers (IBEW) Local 1547
- \_\_\_ Ironworkers Local 751
- \_\_\_ Plumbers & Pipefitters Local 375

**Completed applications with associated required documents are due to the student's high school counselor by December 15, 2015.**

**STATEMENTS OF UNDERSTANDING**

Read and initial each box below:

- 1. I have read and understand the School to Apprenticeship program requirements.
- 2. I have provided documentation of academic qualifications for apprenticeship.
- 3. I understand that an incomplete or unsigned application packet will not be processed.
- 4. I understand that, if selected, I may be required to complete a physical examination as required by the trade organization..
- 5. I understand that, if selected, I **will be** required to complete a drug test as required by the trade organization.

**We hereby submit the application and verify all information provided on this form is true and accurate. We hereby grant permission to former employers, references, and schools to disclose information related to the application process. We agree that any false statements made on this application may be grounds for disqualification from the STA program.**

**Signed:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Student**

**Signed:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Parent/Guardian**

**ASSESSMENT, GPA, & MATH REQUIREMENTS FOR APPRENTICESHIP APPLICATIONS**

<b>Apprenticeship Programs</b>	<b>Algebra I (min. grade)</b>	<b>Algebra II (min. grade)</b>	<b>Core Courses (min. GPA)</b>	<b>CTE Courses (min. GPA)</b>	<b>Work Keys (min. score)</b>
Carpenters	N/A	N/A	B grade (3.0)	B grade (3.0)	Results submitted for review
Electrical	C	C or better (at least one semester) level 6 Work Keys	B grade (3.0) or attain level 4 Work Keys	B grade (3.0)	6 in math
Plumbers & Pipefitters	N/A	B* (at least one semester) level 6 Work Keys	B grade (3.0) or attain level 4 Work Keys	B grade (3.0)	4 in reading comprehension  4 in locating information
Ironworkers Local Union No. 751	C grade (2.0)	N/A	C grade (2.0)	C grade (2.0)	N/A

All the apprenticeship programs require students to:

- ✓ Complete one of the following College & Career Readiness assessments:
  - ✚ ACT,
  - ✚ SAT, or
  - ✚ WorkKeys
- ✓ Obtain a high school diploma, and
- ✓ Comply with the apprenticeship attendance policy.

N/A = not addressed

\* If algebra II has not been taken, then student must attain level 6 in math with WorkKeys.

**NOTICE OF EQUAL EMPLOYMENT OPPORTUNITY**

The Fairbanks North Star Borough School District does not discriminate on the basis of race, color, religion, sex, age, national origin, disability, marital status, pregnancy, sexual orientation, gender identity or veteran status.

The Fairbanks North Star Borough School District does not discriminate on the basis of sex in violation of Title IX of the Education Amendments of 1972 in the educational programs or activities which it operates.

The Fairbanks North Star Borough School District does not discriminate on the basis of disability in violation of Section 504 of the Rehabilitation Act of 1973. This includes admission or access to, or treatment or employment in its programs, services, and activities.

Individuals requiring further information should contact the designated compliance director:

Ms. Doreen Oliver  
Employment and Educational Opportunity Director  
520 Fifth Avenue  
4th Floor, Suite A, Room 410  
Fairbanks, Alaska 99701  
(907) 452-2000 ext. 11466  
Fax (907) 452-3172  
[doreen.oliver@k12northstar.org](mailto:doreen.oliver@k12northstar.org)



Fairbanks North Star Borough School District

## Introduction to the Electrical Trades

Pipeline Training Center

Spring Semester 2016



### Topics Include:

- Residential Wiring
- Installation of Luminaries
- Receptacle Switches
- Electrical Service
- Industry Field Trips
- Apprenticeship Info.
- Certifications



### For more information contact:

Heather Christian

CTE Program Secretary

[heather.christian@k12northstar.org](mailto:heather.christian@k12northstar.org)

(907) 452-2000 Ext.11538

### Application Requirements:

- Complete Application
- Letter of Recommendation
- Good Attendance
- Own Transportation
- Junior or Senior status

### Dates & Times:

January 11—May 10, 2016

Mondays & Tuesdays

3:30 to 5:30 pm



Funding for this course provided by the Carl D. Perkins grant from the Alaska Department of Education & Early Development. The Fairbanks North Star Borough School District is an equal employment and education opportunity institution. Auxiliary aids and services are available upon request to individuals with disabilities.





Fairbanks North Star Borough School District

## Introduction to Residential Plumbing

Pipeline Training Center

Spring Semester 2016



### Topics Include:

- Tools & Materials
- Trades Math
- Pipe Joint Preparations
- Pipe Sizing
- Plumbing Code
- Fixture Installation
- Apprenticeship Info.
- Certifications



### Application Requirements:

- Complete Application
- Letter of Recommendation
- Good Attendance
- Own Transportation
- Junior or Senior Status

### Dates & Times:

January 13—May 12, 2016

Wednesdays & Thursdays

3:30 to 5:30 pm

### For more information contact:

Heather Christian  
CTE Program Secretary  
[Heather.christian@k12northstar.org](mailto:Heather.christian@k12northstar.org)  
(907) 452-2000 Ext.11538



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# Fairbanks North Star Borough School District

## Pipe Welding Academy

Pipeline Training Center

Spring Semester 2016



### Topics Include:

- Pipe Welding
- Pipe Cutting
- Stick
- Flux-Core
- TIG
- Industry Field Trips
- Apprenticeship Info.
- Certifications



### Application Requirements:

- Complete Application
- Letter of Recommendation
- Advanced Student
- Good Attendance
- Own Transportation
- Junior or Senior Status

### Dates & Times:

January 11—May 10, 2016

Mondays & Tuesdays

3:30 to 5:30 pm

### For more information contact:

Heather Christian

CTE Program Secretary

[heather.christian@k12northstar.org](mailto:heather.christian@k12northstar.org)

(907) 452-2000 Ext.11538

Peter Daley

Hutchison High School

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(907) 479-2261 Ext.150



Funding for this course provided by a grant from the Alaska Department of Labor and Workforce Development. The Fairbanks North Star Borough School District is an equal employment and education opportunity institution. Auxiliary aids and services are available upon request to individuals with disabilities.

