



DISTRICT ADMINISTRATION OFFICE
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EVERY CHILD,
 EVERY OPPORTUNITY,
 EVERY DAY...
 STRIVING FOR SUCCESS

Program Title (CIP Code)
Agriculture Mechanization (01.0201)
Occupational Advisory Committee
November 9, 2023

- I. Call to Order: 6:43 PM
- II. OAC Attendance: **Bold – B/I**

Program Description: <https://www.education.pa.gov/K-12/Career%20and%20Technical%20Education/CIP%20Codes/CIP%20Code%2001.0201.pdf>

Pat Chappel	
Donna Burrous	
Chris Bull	
Erick Coolidge	
Jeffery Quick	

- I. Approval of Spring 2023 Minutes - Sent via email to the OAC

Motioned	Chris Bull	Seconded	Pat Chappel
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***Passed – All members voted to approve.*

- II. Old Business:

- a. Reminder that letters of support are needed annually. Thank you to those who have provided these. (Annual- Monroe Tractor 5/25/23 and Wellsboro Equipment 5/1/23) Not needed until the expiration of last year's letters.

***Wellsboro Equipment agreed to provide a new letter in the spring.*

- b. Must be dated, signed, on letterhead/business card- Completed for 23-24.

- III. New Business:

- a. Perkin's Monitoring Corrective Actions-
 - Action remaining is to spend our Perkin's by January 2024
 - We will continue to seek to be preventative regarding: non trad indicator, 8 (Program minimum), and 4 OAC members in Business/Industry. (Currently, the nontraditional

indicator that is not met if from last year's Engineering. We are on-track to meeting this indicator.)

- b. Safety Checklist (D) All of the PDE Checklists will be sent via survey monkey link for each OAC members in the Spring. Any discussion on safety concerns.
- c. Shop layout (D) Tour available anytime. OAC members are welcomed to schedule a time when it is mutually convenient.
 - i. Equipment and Tools Needed (F)/3 year equipment list- Review and discuss for Perkin's and other funding
 - 1. Update of previous equipment requests
 - 2. Mrs. Whitney will share the equipment and materials list.

Vote on the proposed equipment list (with any additions)

Motioned	Donna Burrous	Seconded	Erick Coolidge
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***Passed – All members voted to approve.*

- d. Curriculum (POS and Maps) (B) Located at [PDE PA POS](#)
 - i. Under Agricultural Mechanization, General CIP 01.0201 version 2024 POS and Curriculum Maps
 - ii. Updated Scope and Sequence – Mrs. Whitney will share the updated scope and sequence.

***Discussion Points:*

--Members liked the new scope and sequence that would allow for Ag Mech courses to be taken for science credit (Intro to Ag and Environmental Science).

--Members would like to see work orders, time sheets, and foreman's reports included in the CTE Business Applications course curriculum.

--Members would like follow-up information about the number of credits that are required by the state compared to what is required by the district for non-CTE classes (Science, Social Studies, Math, English, Humanities, Personal Finance, Health, etc.)

--Members would like us to explore the possibility of allowing fewer required credits in the humanities, science, social studies, required electives to allow for students to take more CTE classes without having the CTE program be something that is "extra work" for the students.

--Members would like us to explore the possibility of students receiving credit for math and English in for shop classes.

--Members would like to see technical math and technical English (reading and writing) options offered to CTE students.

--Members would like to see more dual enrollment classes offered in CTE areas.

Vote on the proposed scope and sequence

Motioned	Chris Bull	Seconded	Pat Chappel
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****Passed** – All members voted to approve.

iii. Instructional Materials Discussion

****Discussion Points:**

--Members suggested investigating Kohler and Kawaski for their technician training even if this is not an IRC.

iv. Field trips, on the job training, work-based experiences, guest speakers- Discussion

****Discussion Points:**

--Members discussed ways to get more career exposure in the middle school.

--Pat Chappel talked about Vehicular Career Days at the Elementary School in another district and offered to help with something similar.

--Members would like to see ag exposure in the middle school.

e. Analysis of NOCTI test- 1 student took NOCTI in Spring.

****Discussion Points:**

--Erick Coolidge spoke highly of the student who took the NOCTI in the spring and of the NOCTI testing process.

f. Placement After Graduation (H): Adding Dual Enrollment PCT Course- PCT has a teacher credential review process. Mrs. Whitney has been approved for teaching Power Tools.

g. Program Evaluation (H): Verification of Industry Standard and Student Competencies are being Achieved: PDE approved credentials are shared. Checked in CAT's indicates the WAHS industry recognized credential.

Good news! Improvement Plan from last year has met the target indicator- Industry Credential Indicator- Improvement should occur as all students in a CTE program have IRC build into the programs.

h. Employment Outlook/Co-op Opportunities

i. Post-Secondary Indicator- Good news! WASD also met this improvement target that was issued last year.

IV. Other Business or Related Matter -Discuss our next time and date for March 2024 and we can seek to meet at Timeless again if this worked well last year.

****Next Meeting: March 14, 2023 @ Timeless Destination**

Adjournment- 7:49 PM

Motioned	Chris Bull	Seconded	Pat Chappel
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3Passed** – All members voted to approve.

Agricultural Mechanization

CIP 01.0201

Scope & Sequence – Updated 11/2023

Subject – Hours	Grade 9 – Hours	Grade 10 – Hours	Grade 11 – Hours	Grade 12 - Hours
TECHNICAL – 360 Hours	Intro to Ag.	Leadership/FFA and SAE	Natural Resource Management	Environmental Science
	Woodworking 1 or Shop Skills & DIY Home Improvement	Electricity and Plumbing	Woodworking 1 or Woodworking 2	Small Engines and Shop Maintenance
	Drafting	Metalworking Technology 1	Metalworking Technology 2	CTE Business Applications
			School to Work	
Science (4)	Intro to Ag.	Biology	Science Elective	Environmental Science
English (4)	<i>Any sequence of four credits of English.</i>			
Math (4)	<i>Any sequence of four credits of Mathematics.</i>			
Social Studies (4)	<i>Any sequence of four credits of Social Studies.</i>			
Humanities	Music	Intro to Art	One Credit of Humanities	
Physical Education	<i>Any sequence of two credits of Physical Education.</i>			
Required Electives	Heath (11 th Grade) & Personal Finance (11 th Grade)			

Agricultural Mechanization, General CIP 01.0201

Materials and Equipment List

Equipment:

Current equipment requests:

- Virtual Welding Kit – Lincoln Electronics (new)
- Arc Welder (new)
- Small Engines for FFA Competition
- Diesel Engines
- Foundry in Metal Shop - Replacement
- Metal Lathe - Replacement
- Disc Sander - Replacement

As needed replacement of:

- jointer, planers, saws (table, miter, band, scroll saw), drill presses, sanders in the woodworking shop
- battery-powered hand tools in the woodworking and metalworking shops
- welders, lathes, sanders, grinders, and torches in the metalworking shop
- hand tools in all shops

Additional purchase of:

- CNC machinery for woodworking and metalworking
- software and hardware to support CNC machinery

Materials:

Materials for setup of:

- Electrical troubleshooting stations
- Plumbing troubleshooting stations

Purchase of consumable materials for:

- woodworking practice
- framing practice
- welding and metalworking practice
- electrical wiring practice
- plumbing practice

Agricultural Mechanization Program

Scope & Sequence

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	Drafting	Metalworking Technology 1	Metal	CTE Business Applications
			School to Work	
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Required Electives	Health (11 th Grade) & Personal Finance (11 th Grade)			



Hands-On Training

The courses in the agricultural mechanics program focus on learning skills and techniques in the shop setting. All classes are primarily hands-on learning with a focus on safety and proper technique.

Industry Recognized Credentials

- OSHA 10-Hour Certification (Agriculture)
- National Safe Tractor and Machinery Operator
- Pennsylvania Pesticide Applicator Certification
- Outdoor Power Equipment Technician Certification

Career Exploration Opportunities

- PA Build My Future @ PCT
- Manufacturing & Trades Career Day
- Tioga County Job Fair
- Job Shadowing

Student Organizations

FFA
SkillsUSA

Agricultural Mechanization Program at Wellsboro Area High School

This is an instructional program that prepares individuals to sell, select, and service agriculture or agribusiness technical equipment and facilities including computers, specialized software, power units, machinery, equipment, structures and utilities. This program includes instruction in agriculture power units, mechanical systems, the planning and selection of materials for the construction of agriculture facilities, safe mechanical practices, water conservation, erosion control, and data processing systems.

Potential Careers in Ag Mech

- Agricultural Equipment Sales
- Civil Engineer
- Agricultural Design Engineer
- Dump Truck Driver
- Equipment Operator
- Feed Mill Shipping and Receiving Maintenance Worker
- Precision Agricultural Specialist
- Soybean Extrusion Plant Operator
- Truck Driver
- Welder



Teachers & Contact Information

Mrs. Melanie Berndtson

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Mr. Rob Kieser

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Mrs. Amber Whitney

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Agricultural

Mechanization

CIP 01.0201