

**Franklin County Career and Technology Center**  
**FALL OCCUPATIONAL ADVISORY COMMITTEE REPORTING FORM**

**PROGRAM AREA:** **WELDING TECHNOLOGY**

**MEETING DATE:** 9/29/2021      **START:** 5:30pm      **ADJOURN:** 6:30pm

**COMMITTEE CHAIRPERSON:** Todd Benedict

**COMMITTEE MEMBERS/GUESTS ATTENDING:**

Guests present: Todd Benedict  
Caitlin Odonnell  
Brandon Benedict  
Travis Martenas  
Elisa Ramsey

**BRIEF MEETING SUMMARY:**

The committee toured the shop and inspected the current machines and tools. Equipment needs and repairs were discussed and the 5 year equipment plan was updated. The committee was excited about the addition of the CNC plasma table and the new classroom. Members toured the new pre-apprenticeship welding facility.

**ADMINISTRATIVE RESPONSE:**

- **The Administration supports the instructor's ability to continue to upgrade equipment in the program. Glad the OAC recognizes the efforts related to the new classroom and additional space in the program. Since this meeting took place, we learned of the instructor's need to resign from the position which is understood but is acknowledged as a real blow to the program.**

\_\_\_\_\_  
SECRETARY SIGNATURE

## SECTION 1: APPROVAL OF MINUTES OF LAST MEETING

PLEASE CHECK ONE OF THE ITEMS LISTED BELOW:

- The minutes of the last meeting are approved as presented.
- The minutes of the last meeting are approved with the following changes.

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## SECTION 2: REVIEW OF RECOMMENDATIONS FROM LAST MEETING

- Committee pleased with progress of Pre-Apprenticeship Program.

## SECTION 3: FACILITIES

### FACILITIES REPORTING FORM:

	<u>Satisfactory</u>	<u>Unsatisfactory</u>
1. The room provides the most advantageous use of space available	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Room lighting is adequate for the the health and safety of the students.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. The room/lab areas are clean	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Tools and equipment are arranged in an orderly and task-appropriate manner	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. The area has adequate storage facilities for permanent and consumable supplies	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Emergency Cutoff (Panic) Stops/Buttons are in operating condition.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Strategic floor areas are properly lined	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Strategic floor areas are free of obstructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. There are adequate storage facilities for flammable and toxic materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. There is adequate ventilation for flammable and toxic materials	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Fire extinguishers are visible, accessible, properly maintained and adequate in number	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Classroom space for instruction in related theory is adequate.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. The classroom/shop/laboratory temperature is comfortable	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- |  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 14. The classroom/shop/laboratory is large enough for the number of students served            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 15. Persons with disabilities are accommodated in the classroom/shops/laboratory               | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 16. Students have appropriate access to to equipment and supplies                              | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 17. As much as possible, the laboratory area mirrors the accommodations found in the workplace | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**COMMITTEE SUGGESTIONS/RECOMMENDATIONS FOR UNSATISFACTORY ITEMS:**

1. Some of the members had not been in the facility since gaining the new classroom. They were pleased with the extra space the provided in the shop.

**SECTION 4: EQUIPMENT AND SUPPLIES**

**A. EQUIPMENT AND SUPPLIES REPORTING FORM:**

- |  | <u>Satisfactory</u>                 | <u>Unsatisfactory</u>    |
|--|-------------------------------------|--------------------------|
| 1. The supply of tools and equipment is adequate to implement the curriculum   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Equipment and tools meet current industry standards and are appropriate for teaching the occupational skills for that business/industry | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. The condition of the equipment indicates proper care and maintenance  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. Equipment should meet OSHA safety standards with respect to guards, shields, grounding, etc   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. Safety protection (safety glasses, shields, etc.) is provided and instruction in the proper use of them is provided                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. Supplies are adequate to implement program objectives   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. An inventory of equipment is maintained by the teacher or other staff member  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8. A schedule for repair and replacement of equipment, tools and supplies is maintained  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 9. A security system for the use of tools, equipment and supplies is maintained  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10. Safety Data Sheets (SDA/MSDS) are provided for each flammable, toxic or explosive material as recommended by OSHA                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**COMMITTEE SUGGESTIONS/RECOMMENDATIONS FOR UNSATISFACTORY ITEMS:**

1. None

**B. RECOMMENDATIONS ON EQUIPMENT AND SUPPLIES**

- 1.) What additional equipment is recommended to meet current industrial/occupational skill standards?
  - Post crane for loading plate material into the shear and plasma table
  - Replacement of the backgauge on the plate shear
- 2.) What equipment is recommended for replacement within the next two years?
  - Generator welders
  - Lincoln welders
  - Pedestal grinders
- 3.) What equipment is recommended for replacement within the next five years?
  - Miller welders
  - Lincoln welders
- 4.) Other recommendations:
  - Finish installing LED lighting throughout the shop area.

**COMMITTEE SUGGESTIONS/RECOMMENDATIONS/COMMENTS:**

1. The post crane that will be purchased this year will serve the needs of the welding program much better than the jib crane now that the plasma table has been added to the shop. Specs of the crane were reviewed and the committee recommended other companies to quote the new crane.

**C. UPDATE FIVE YEAR EQUIPMENT LIST FROM DISCUSSION AND ATTACH TO THIS DOCUMENT:**

**SECTION 5: GENERAL DISCUSSION**

**LIST ITEMS FOR DISCUSSION NOT COVERED IN OTHER AREAS:**

- The committee discussed how well the students are adapting to their changing schedules through the pandemic. Committee was very pleased at the efforts from the school to keep the students in person as much as possible.

**COMMITTEE SUGGESTIONS/RECOMMENDATIONS/COMMENTS:**

1. Recommendation made to purchase additional welders for the Pre-Apprenticeship program.
2. Existing Shear is out of date and will need replaced.

**Welding FCCTC - 5 Year Equipment List (OAC Approved Projections & Recommendations)**

Year	Item	Justification for Need	QTY	Cost per Unit (\$)	Total Cost (\$)	Purchase Status
<b>2020-21 Current Year</b>						
1	Torchmate 4800 plasma table	Expose students to latest technology	1	\$35,000	\$35,000	Equipment Grant
2	Downflex 200-M MSRPDown Draft Tables	Allow students to operate all equipment with proper ventilation	3	\$9,775	\$29,325	Equipment Grant
<b>2021-22 Current Year</b>						
1	Jib Crane	Load heavy plate into shear more safely	1	\$10,000	\$10,000	Purchased - Perkins
2	iron Worker	Upgrade current model	1	\$30,000	\$30,000	Purchased - Perkins
3	Miller XMT 350 CC/CV	Upgrade current model	3	\$5,886	\$17,658	Purchased - Perkins
	Miller S-74D Drive Roll Kit	Upgrade current model	3	\$3,201	\$9,603	Purchased - Perkins
4	Miller XMT 350 CC/CV Digitizer	Pre-Apprenticeship	7	\$6,225	\$43,575	
<b>2022-23</b>						
1	Lincoln welders	Upgrade current model	4	\$20,000	\$ 80,000	
2	fixture table	fabrication techniques	1	\$5,000	\$ 5,000	
3	Generator welder	Upgrade current model	1	\$35,000	\$ 35,000	
4	Sheer	Pre-Apprenticeship	1	\$3,000	\$ 30,000	
Notes	Robotic Educational Cell Provide an opportunity for students to learn the basics of robotics and automation to meet industry standards \$65,000.00					