

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

**PROGRAM AREA:**    **MECHATRONICS**

**MEETING DATE:**    9/22/2022                      **START:**    5:00pm                      **ADJOURN:**    6:45pm

**COMMITTEE CHAIRPERSON:**    Jordon Lyons

**COMMITTEE MEMBERS/GUESTS ATTENDING:**

Daniel Stockman, James Cover, Trey Setting, Jordon Lyons, Gabriel Hawk, Mark Shawyer, Caleb Crawford

**BRIEF MEETING SUMMARY:**

- Tour Shop
- Reviewed Spring 2021 Minutes
- Reviewed status of equipment
- Recommendations
- 5 yr Equipment List
- Skills USA
- Program Sponsors and Letters of Support

**ADMINISTRATIVE RESPONSE:**

- **Administration appreciates the continued support and involvement for the OAC members. We are excited by the interest in providing Adult Education classes for Mechatronics. We also appreciate the recommendations for alternatives to the Festo equipment and expansion of equipment and applications in the PLC area to remain current with industry.**

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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

- Reviewed minutes and discussed open items such as the HMIs for PLC training with Jordon Lyons, the new conveyor training offered, NOCTI test proctors, and new Perkins equipment purchases

### 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. None

**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?
  - Festo is no longer making the same mechanical benches we currently have as we are approved to get upgrades through Perkins. We discussed the options that Matt Case gave me (buy the last two upgrade pieces along with some pillow block, or buy one brand new bench). We have decided to just get the last two pieces.
  - Members have agreed to work on getting hydraulic hose repair equipment. Mark Shawyer is doing some research on a used crimper.
- 2.) What equipment is recommended for replacement within the next two years?
  - None of the equipment needs to be replaced. Upgrades and expansion is main focus.
- 3.) What equipment is recommended for replacement within the next five years?
  - Look into PLC applications to keep up with industry. Jordon Lyons suggest HMIs and remote PLC
- 4.) Other recommendations:
  - Subjects to expand on: Schematic reading, Motors, Sensors, Thermocouples, Photo Eyes, and HMIs

**COMMITTEE SUGGESTIONS/RECOMMENDATIONS/COMMENTS:**

1. Re-engage: Jordon Lyons is going to work with Scott Hassler on bringing Remote PLC applications to the classroom and has offered to train Mr. Stockman on the new equipment.

**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:**

- OAC agreed that ABC Core is no longer needed in Mechatronics.

**COMMITTEE SUGGESTIONS/RECOMMENDATIONS/COMMENTS:**

- James Cover would be interested in becoming a Night School Educator for Mechatronics
- Look into more field trip opportunities
- Both Jordon Lyons and James Cover volunteered to do the NOCTI Testing Evaluators in the fall of 2022

