

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

PROGRAM AREA:	ENGINEERING TECHNOLOGY				
MEETING DATE:	10/5/2022	START:	400	ADJOURN:	5:30
COMMITTEE CHAIRPERSON:	Loren Myers				
COMMITTEE MEMBERS/GUESTS ATTENDING:	Joshua Brown - JB Technical Solutions Loren Myers - Loudon Industries Michael Graham - Volvo Construction Megan Baker - Program Instructor				
BRIEF MEETING SUMMARY:	<p>Committee toured the program area. Very Positive feedback was given regarding the full paint job done to the shop over the summer. Committee evaluated the status of the equipment and classroom and held discussion regarding replacement of several pieces of equipment in the next two years. The need for program sponsorship was presented. Committee was made aware of the tentative dates for upcoming events. General discussion was held about potential shadowing and placements for students.</p>				
ADMINISTRATIVE RESPONSE:	<ul style="list-style-type: none">Administration is appreciative of the OAC support and involvement. We too are very pleased with the fresh paint in the lab area. The recommendations for equipment will be considered in our five year equipment plan. Administration is hopeful that students will be able to work with industry partners for shadowing and cooperative education placements.				



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

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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.

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.

B. RECOMMENDATIONS ON EQUIPMENT AND SUPPLIES

1.) What additional equipment is recommended to meet current industrial/occupational skill standards?

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2.) What equipment is recommended for replacement within the next two years?

- Intellitek ExpertCNC Mill
- Computer for CNC Mill
- Intellitek Scorbot Robotic Arm
- Computer for Scorbot Robotic Arm
- Large Format Printer
- Student work benches
- 3D Printer

3.) What equipment is recommended for replacement within the next five years?

- Laser Cutter Engraver
- Vex Kits
- Classroom tables
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4.) Other recommendations:

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COMMITTEE SUGGESTIONS/RECOMMENDATIONS/COMMENTS:

1.

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:

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COMMITTEE SUGGESTIONS/RECOMMENDATIONS/COMMENTS:

1.



FIVE YEAR EQUIPMENT LIST

	Item	Justification/Why is it needed?	QTY	Unit Cost	Total Cost	Purchase Date
2022-23						
1	VEX V5 POE/CIM Robotics Upgrade Kit (PLTW)	Replace outdated equipment	10	\$1,093.00	\$10,930.00	
2						
3						
4						
2023-24						
1	3 axis tabletop CNC mill	Replace outdated equipment	1	20000	20000	
2	Intellitek Scorbot ER4U Robotic arm and Software	Replace outdated equipment	1	20000	20,000	
3	Fluid Power Learning Station	Replace outdated equipment, increase exposure to equipment and skills	1	16,000	16000	
4						
2024-25						
1	Large Format Printer	Replace outdated equipment	1	3500	3500	
2	3D Printer	Replace outdated equipment	1	15000	15000	
3	wood top work stations with casters (4ft)	increase in student enrollment, Replace existing and outdated office furniture used as student workstations and equipment work stations	28	400	11200	
4						

2025-26

1	classroom tables	Replacement	12	300	3600
2	Vex Kits	Replace outdated equipment		TBD	#VALUE!
3	Laser Cutter Engraver	Replace outdated equipment	1	18000	18000
4					

Notes Project Lead the Way will be doing wide scale curriculum updates and changes to required equipment over the next 3 years. It is unknown if different/additional equipment will be needed.