



Monroe School

Principal, Brandi Fulton
1800 W Monroe Street, Burns, Oregon 97720
(541) 573-3066 Fax (541) 573-3665

October 2024 HCSD3 School Board Report

We have applied for and received 24-25 Perkins YCEP/JDEP Network Funding for \$100,000!! These are Perkins State Leadership Set Aside funds for youth corrections.

Please see our Perkins Funding Proposal for our CAT HEAVY EQUIPMENT SIMULATOR at Monroe School (attached).

Special thanks go out to Pinnacle Grant Consulting for their assistance in making this happen!



PINNACLE
Grant Consulting

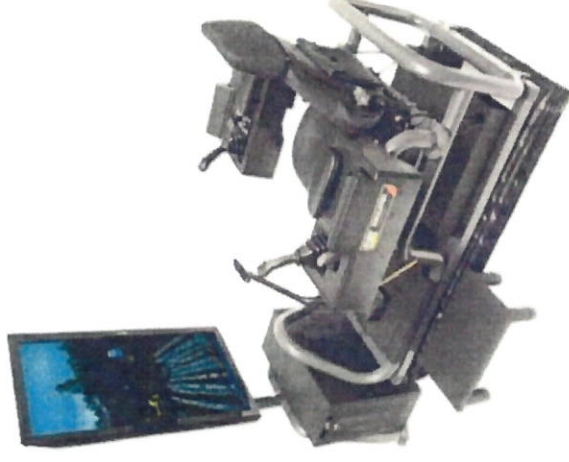
Perkins Funding Proposal

CAT HEAVY EQUIPMENT SIMULATOR

Monroe School

This project involves procuring and implementing a CAT heavy equipment simulator with a tailored curriculum for high school students in our Youth Correctional Education Program (YCEP). The simulator provides hands-on training in operating heavy machinery, aligning with industry standards to prepare students for high-demand careers in construction and related fields.

The project aims to equip at-risk youth with valuable, marketable skills, enhancing their career readiness and supporting successful reentry into society.



CAT HEAVY EQUIPMENT SIMULATOR

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INNOVATION-Leveraging CAT Heavy Equipment Simulator for Perkins V Innovation in CTE

Objective: Enhance technical skills and employability for youth in correctional education. Emphasizes an innovative approach to Career and Technical Education (CTE) to ensure the students in our correctional facility, gain skills for high-demand careers.

Alignment with Perkins V Focus on Innovation:

1. Cutting-Edge Training:
 - Provides hands-on, real-world experience and immersive training with industry-standard, heavy machinery equipment.
 - Prepares students for real-world employment in high-demand fields.
2. Engaging Curriculum:
 - Engages at-risk youth with state-of-the-art technology, improving retention and skill acquisition.
 - Incorporates virtual simulations that promote safe and effective learning.
3. Improved Outcomes:
 - Career Readiness: Aligns with industry standards, ensuring students are prepared for jobs in construction and related fields.
 - Supports re-entry into society with viable, marketable skills.

Impact in Oregon: Enhances the youth correctional program's ability to offer innovative, high-quality CTE that meets Perkins V goals.



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NEED BASED: Addressing Key Needs in YCEP with CAT Heavy Equipment Simulator

Identified Need: Vocational Training for At-Risk Youth: Limited access to high-quality, hands-on technical training in the YCEP community.

Solution: CAT Heavy Equipment Simulator & Curriculum

- Practical Skill Development: Offers immersive, real-world training in heavy equipment operation.
- Safety & Accessibility: Provides a safe, controlled environment for learning without the risks associated with live equipment.
- Structured Curriculum: Aligns with industry standards, providing a clear pathway to certification and employment.

Impact:

- Employment Readiness: Equips youth with marketable skills, enhancing post-release job opportunities.
- Positive Engagement: Fills a critical skills gap, preparing students for meaningful careers and reducing recidivism.



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CTE State Plan Focus Areas

Career Exploration: The purchase of current industry technology will provide our students with career experiences in secondary grades by exposing them to career fields and work-based learning projects.

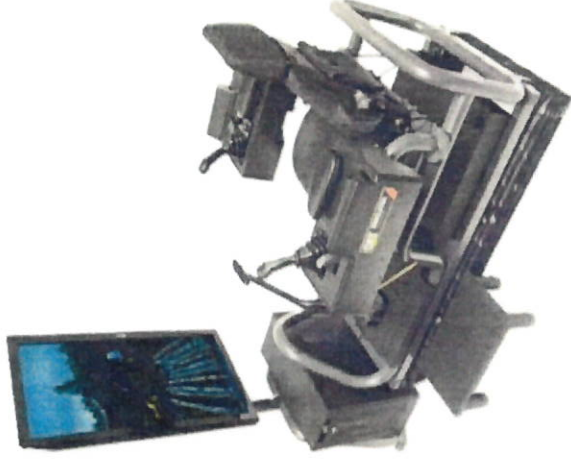
Data Literacy and Accountability: Collecting data from our student proficiency, certification rates, and job placements statistics, as well as our industry partners will inform us of our program effectiveness.

Equity and Civil Rights: Access to cutting-edge industry technology will aid in creating culturally responsive, inclusive, and welcoming CTE classes and programs and strengthen systems to remove barriers that limit student opportunities.

Flexible Learning: YCEP often have fewer CTE opportunities due to the correctional environment, resource constraints, and the nature and assortment of industries available in our area. This project will support flexible learning as a way to explore creative solutions bolstering our program offerings.

High Quality Program of Study: Certified heavy equipment operators are high-wage, high-skill, and in-demand careers, and we will focus on building enrollment of this program in our YCEP facility to further support the successful re-entry of our at-risk youth.

Work-Based Learning: By engaging industry partners and offering this CTE program in a simulated workplace setting we will expand and improve student opportunities to apply their knowledge and skills in the workplace to support seamless transitions.



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Desired Outcomes/Deliverables:

- Skill Proficiency: Students gain hands-on experience and certification in heavy equipment operation.
- Curriculum Integration: A comprehensive curriculum that aligns with industry standards and CTE goals.
- Career Readiness: Students prepared for immediate entry into high-demand construction careers.

Hoped Impact:

- Increased Employment: Higher job placement rates in the construction industry.
- Student Engagement: Enhanced motivation and retention through interactive, technology-driven learning.
- Positive Life Outcomes: Empower students with marketable skills, reducing recidivism and promoting successful reentry into society.



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Scalability of CAT Heavy Equipment Simulator

- Adaptability: Customizable and multiple curriculum options to meet student needs to align with industry demand.
- Support Infrastructure: Established training and support materials for seamless implementation.
- Consistent Quality: Ensures uniform training standards and outcomes.
- Broader Impact: Expands access to high-quality vocational training for more students.



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Sustainability Plan:

- Long-Term Funding: Explore alternative funding sources such as grants and industry partnerships to provide regular updates, maintenance, and curriculum additions.

Post-Funding Continuity:

- Community Partnerships: Leverage local businesses and organizations for ongoing support and resources.
- Training for Trainers: Equip educators with skills for ongoing professional development to independently manage and sustain the program.
- Student Success Tracking: Use outcome data to demonstrate program value and attract future investments.



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Collaboration Options:

- CTE Initiatives: Partner with local and state CTE programs to share resources and best practices.
- Industry Partners: Engage construction firms and equipment manufacturers for sponsorship and expertise.

Funding Source Options:

- Grants: Apply for educational and vocational training grants from federal and state agencies.
- Corporate Sponsorships: Seek funding from businesses invested in workforce development.
- Nonprofit Organizations: Partner with nonprofits focused on educational equity and vocational training.
- Public-Private Partnerships: Collaborate with local governments and businesses for co-funded initiatives.



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Evaluation Methods:

- Performance Metrics: Track student proficiency, certification rates, and job placement statistics.
- Feedback Surveys: Collect input from students, educators, and industry partners on program effectiveness.
- Outcome Analysis: Assess alignment with desired outcomes, such as skill acquisition and career readiness.

Success Indicators:

- Achievement of Deliverables: Verify if training goals, curriculum standards, and employment targets are met.
- Impact Measurement: Evaluate improvements in student engagement, job placement rates, and long-term career success.



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\$100,000 Proposed Budget for CAT Heavy Equipment Simulator

Simulator Equipment, One Starter Curriculum, Installation, and Training & Support: \$100,000

- o Hardware – purchase & installation of machinery, controls, and screens.
- o Software – purchase & installation of one starter curriculum set with the goal of purchasing additional curriculum to continue building the program and developing student skills.
- o Training & Support – CAT provided training and support for teachers to properly instruct students toward earning an operator certification.



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Closing Words

The CAT heavy equipment simulator, coupled with a robust curriculum, represents a transformative opportunity for vocational training. By integrating cutting-edge technology with industry-aligned education, we can significantly enhance skill development, improve career readiness, and open pathways to high-demand jobs.

Additional Comments

Investing in this simulator not only addresses current educational gaps but also aligns with broader goals of innovation and workforce readiness. The scalable, sustainable nature of this project ensures long-term impact and effectiveness. Your support will be pivotal in driving success and creating lasting benefits for the students at Monroe School.

