



# Heavy Equipment Operation - North



<b>Date</b>	February 14, 2026	<b>Orientation Time</b>	8:00 AM (CLOSED to instructors)
<b>Location</b>	Ohio Operating Engineers Apprenticeship and Training Site 4675 Newton Rd. Richfield, OH 43138	<b>Contest Time</b>	Immediately following orientation (CLOSED contest)
<b>Scope of Contest</b>	<p>The competition will include a series of stations where students will operate or inspect construction and surveying equipment, demonstrate safety, maintenance and startup competency and complete a written knowledge test. See appendix below for examples.</p> <ul style="list-style-type: none"><li>Each competitor must work independently without assistance from instructors, other competitors, or observers. Any violation of this may disqualify the competitor.</li><li>Cell phones, iPads/tablets, smart watches, wearable technology, or any other electronic communication device is prohibited in the competition area.</li><li>Only competitors, judges and event staff are allowed in the competition area at any time. Observation is limited to the area designated by the judges or event staff. Outdoor competition area may only be accessed by judges, competitors, and event staff. Any violation of this may disqualify the competitor.</li><li>No one may contact judges in any way and at any time without the expressed permission of the competition coordinator.</li></ul> <p>After registration closes, 1 hour time slots (per school) will be assigned for February 13, 2026, to allow students to familiarize themselves with equipment.</p>		
<b>Testing</b>	Yes		
<b>Eligibility</b>	3 competitors per building IRN (Chapter)		
<b>Clothing</b>	Clothing Classification Guide – CLASS C or D. This is an indoor/outdoor event, students should dress appropriately for the weather.		
<b>Provided by Contestant</b>	<ul style="list-style-type: none"><li>Professional Resume – must be typed and physically produced as a hard copy</li><li>Emergency Medical Form (contestants must have this to compete)</li><li>Tool and Equipment Safety Form - Students will not be permitted to compete in stations including equipment they are not trained to operate.</li><li>Safety glasses with side shields or goggles (prescription glasses with side shields. If not, they must be covered with goggles). Note: Safety eyewear must be available, but use will depend on the scenario.</li><li>Hard hat</li></ul>		

	<p><u>The following WILL NOT be tolerated and are grounds for disqualification from the competition:</u></p> <ul style="list-style-type: none"> <li>○ No smart watches, cellphones and/or other electronic devices in the contest area unless specifically stated in this document. These devices cannot be used as a calculator.</li> <li>○ No contact with anyone outside of the contest area once the contest begins.</li> <li>○ No inappropriate communication between contestants such as verbally degrading another contestant or informing another contestant of the skills/test prior to or during the competition.</li> <li>○ No cheating on any portion of the contest.</li> <li>○ The use of AI is strictly prohibited and will result in an automatic disqualification of the contestant.</li> </ul>
<b>Contest Standards</b>	<p><b>Contest Skilled Performance Standards</b></p> <p><b>HEO 1.0</b> — Demonstrate competencies related to safety</p> <p><b>HEO 2.0</b> — Demonstrate competencies related to machine component identification</p> <p><b>HEO 3.0</b> — Demonstrate competencies related to grades</p> <p><b>HEO 4.0</b> — Demonstrate competencies related to excavators</p> <p><b>HEO 5.0</b> — Demonstrate competencies related to wheel loaders</p> <p><b>HEO 7.0</b> — Demonstrate competencies related to bulldozers</p> <p><b>Aligned ODEW Law and Public Safety Career Field Technical Content Standard Outcomes</b></p> <p><b>Outcome 2.1</b> Site Safety</p> <p><b>Outcome 2.2</b> Personal Safety</p> <p><b>Outcome 6.1</b> Construction Math</p> <p><b>Outcome 6.2</b> Construction Drawings</p> <p><b>Outcome 2.3</b> Equipment Operation</p> <p><b>Outcome 3.3</b> Excavation</p> <p>Above Outcomes can be found in the following ODEW courses:</p> <p>178019 Plan Reading and Estimating</p> <p>178026 Heavy Equipment Operations</p> <p>178027 Construction Surveying and Site Logistics</p>
<b>Appendix</b>	<p>The list below is not exhaustive, but represents the range of possible competition skills:</p> <ul style="list-style-type: none"> <li>• Excavator Operation</li> <li>• Skid Steer Operation</li> <li>• Wheel Loader Operation</li> <li>• Dozer Operation</li> <li>• Material Handling</li> <li>• Material Loading</li> <li>• Construction Material Identification</li> <li>• Ohio 811</li> <li>• Rigging Identification</li> </ul>

- Equipment Inspection
- Prestart Inspection
- Laser Level Setup and Operation
- Grade Stake Reading
- Blueprint Reading
- Hand Signals
- Safety Equipment Identification
- Survey Equipment Identification
- Grade Calculations
- Material Calculations