



NEXT WORLD

Hand & Power Tools Safety VR Module Overview

Modelled from Unit of Competency: MEM18002



21 minutes



Analytics



13 languages

Experience Overview

What's included in VR Hand & Power Tools Safety



Empower your workforce to spot hazards, act safely, and prevent injuries before they happen in high-risk workshop environments.

This immersive experience places users in a dynamic automotive workshop, where they'll confront real-world hazards linked to hand and power tool use. Perfect for safety inductions and ongoing risk awareness, the training goes beyond compliance—developing the instinct to recognise danger and respond with the right actions.

Power tools are essential on the job—but when used unsafely, they become one of the most common causes of serious workplace injury.

Participants are dropped into high-risk, fast-paced scenarios where they must:

- Identify unsafe practices involving tools, PPE, and manual handling.
- Assess hazards using the Hierarchy of Controls framework.
- Respond to emergency situations with calm, correct decision-making.
- Recognise when others are working unsafely—and know how to intervene.

This hands-on, scenario-based training builds real competence, driving lasting behavioural change and safety culture on the ground.

Features

- ~21 minutes run time
- Student completion records
- VR training certificates
- Training results
- Behavioural metrics
- Response times
- Training groups
- Scheduling
- Set refresher training frequency

Languages

- English (AU, US, UK)
- Arabic
- Hindi
- Spanish
- French
- German
- Italian
- Portuguese
- Serbian
- Polish
- Bosnian

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Training Frameworks

The experience is built around a phased, competency-based training structure:



A. Tutorial Phase

- Learners use a virtual tablet to take hazard photos.
- Introduced to basic workshop interaction and inspection mechanics.

B. Discovery Phase

- Knowledge-check questions around hazardous vs. safe practices.
- Introduction to differences in tool safety, PPE, and workshop behaviour.

C. Instructional Phase

- Guided inspection of various hazardous and safe tool use situations.
- Learners document and analyse scenes with immediate feedback.

D. Practice Phase

- Semi-independent review of workshop scenarios.
- Learners must judge whether each situation is safe or hazardous and justify their assessment.

E. Exam Phase

- Fully independent assessment of real-life scenarios.
- Learners take photos of hazards and answer situational questions.
- Covers use of drills, grinders, jacks, spanners, and other tools.

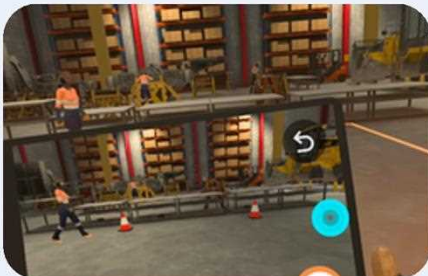
F. Results and Feedback

- A results summary is provided through the tablet interface.
- Feedback reinforces correct behaviours and highlights areas for improvement.

This module is ideal for industrial environments where tool-related injuries are a major risk. It teaches hazard recognition, proper technique, and critical safety decision-making, making it effective for both onboarding and compliance refresher training.

Key Learning Outcomes

Learn proper usage, maintenance, and safety precautions for hand and power tools to prevent accidents.



- Identify common workshop hazards associated with hand and power tools, including:
 - Frayed cords, missing guards, incorrect use of grinders, drills, pressure washers, hammers, and spanners.
 - Unsafe work environments (e.g. cluttered floors, tools left unattended, or obstructed walkways).
- Understand and apply safe tool use practices, including:
 - Using the correct tool for each task.
 - Verifying tools are maintained and undamaged before use.
 - Never modifying safety features (e.g. removing guards).
 - Locking out and tagging damaged equipment.
- Perform effective housekeeping:
 - Keeping work areas tidy.
 - Avoiding placing tools or materials in pedestrian walkways.
 - Maintaining exclusion zones and safe work distances.
- Select and use appropriate PPE for various tasks:
 - Eye, ear, hand, and face protection.
 - PPE matched to specific risks like heat, noise, or flying debris.
 - Awareness of hair, clothing, and jewellery that may catch in tools.
- Apply safe techniques with different tools:
 - Using both hands on power tools.
 - Cutting or pulling tools in safe directions.
 - Correct posture and support when working at height or under vehicles.
- Assess workplace situations:
 - Determine if environments and actions are safe or hazardous.
 - Identify root causes and recommend safer alternatives.

VR Trainee Certificate

Employees will receive a VR Trainee Certificate upon successfully completing a training module in the Next World platform.



Certificate of Completion:
Finished the module, underperformed the pass threshold



Certificate of Achievement:
Finished the module, exceeded the pass threshold



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