NEXT WORLD

Fire Hazard Identification

VR Module Overview

Modelled from Unit of Competency: MSMWHS212

17 minutes

Analytics

13 languages

Experience Overview

What's included in VR Fire Hazard Identification

Train your team to recognise risks before flames ignite—because the best fire response is prevention.

This immersive experience builds hazard awareness by walking users through realistic workplace environments, from offices to high-risk industrial sites. Trainees learn to identify the six classes of fuel, inspect fire safety equipment, and take proactive steps to reduce the likelihood of a fire emergency.

Fire doesn't discriminate—every workplace has fire hazards. Awareness is the first line of defence.

Participants move through interactive scenarios where they must:

- Identify fire hazards hidden across a variety of workplace settings.
- Capture hazard "targets" via in-sim photography to trigger knowledge checks.
- Classify the six different fuel types and their associated risks.
- Inspect extinguishers and other fire safety equipment for readiness.
- Take corrective action to reduce ignition risks in real time.

This engaging and practical training embeds hazard awareness into day-to-day operations, supporting both compliance and a proactive safety culture across industries.

Features

- Interact with common workplace objects, learning about their classes of fire
- Practice identifying common fire hazards
- Complete a site safety risk inspection under exam conditions
- Integrated analytics and student performance
- Completed in 17 minutes
- Available in 13 languages

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

- Users learn to use the virtual tablet's camera and complete basic interaction tasks.
- Orientation with interface and goals of the training.

B. Discovery Phase

- Learners answer foundational questions to confirm pre-knowledge:
  - Investigate clearly marked hazardous scenarios
  - Submit photo evidence of hazards
  - Learn why each scenario is dangerous
  - Observe the safe alternative version of each scenario

C. Instructional Phase

- Delivered across three key themes:
  - Fire Characteristics – Understanding ignition, chemical reaction, and smoke hazards.
  - Fuel Types – Interactive learning with object-based fuel class identification.
  - Fire Equipment – Practical guidance on extinguisher signage, inspections, and operational readiness.

D. Fire Hazard Identification Activity (Exam Phase)

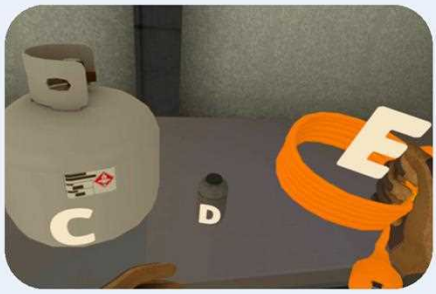
- Learners conduct a solo workplace inspection in a VR environment.
- Tasks include:
  - Identifying fire hazards
  - Taking evidence photos
  - Answering situational questions
  - Assessment includes both correct hazard recognition and awareness of non-hazard areas to test judgement.

E. Completion and Feedback

- Final performance review and option to revisit any modules for reinforcement.

Key Learning Outcomes

Engaging methods of training Fire Hazard Identification



- **Understand the Fundamentals of Fire:**
  - Learn the Fire Tetrahedron: Heat, Fuel, Oxygen, and Chemical Chain Reaction.
  - Identify how each element contributes to ignition and how extinguishing agents interrupt them.
  - Understand the risks of smoke—including visibility issues and toxic inhalation.

- **Classify Fire Fuel Types (A–F):**
  - Learn the six classes of fire:
  - Class A: Ordinary combustibles (wood, rubber)
  - Class B: Flammable liquids (fuel, thinners)
  - Class C: Flammable gases (butane, propane)
  - Class D: Combustible metals (magnesium)
  - Class E: Electrically energised equipment
  - Class F: Cooking oils and fats
  - Understand that using the wrong extinguisher for the fuel class can escalate the fire.

- **Inspect and Understand Fire Safety Equipment:**
  - Identify key equipment: extinguishers, fire alarms, sprinklers, fire doors.
  - Recognise correct signage placement and inspection requirements (e.g. 6-month checks, pressure gauge levels).
  - Assess extinguisher usability: anti-tamper seals, visible corrosion, pin integrity.

- **Practice Hazard Identification:**
  - Use a tablet camera to take photos of hazards.
  - Assess and answer context-based questions about fire risks (e.g. obstructed fire exits, blocked extinguisher signage, exposed fuel containers).
  - Understand that not all scenes are hazards—reinforcing critical thinking.

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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