



## Timber Framers Guild

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**DRAFT**

## Part Ten Tools & Equipment Curriculum

### 10I ACCESS MACHINERY

#### DESCRIPTION

Perform visual inspections of Mobile Elevating Work Platforms (MEWP) equipment.

Identify and describe appropriate PPE for use with MEWP equipment

Identify hazards associated with MEWP equipment.

Demonstrate the safe operation of self-propelled MEWP equipment for timber framing.

LEARNING TASKS	CONTENT
1. Identify hazards	<ul style="list-style-type: none"><li>• OSHA Statistics</li><li>• Service Manuals</li><li>• Unbalanced Loads</li><li>• Exceeding Load Limit</li><li>• Toppling / Overturning / Rigger Collapse</li><li>• Visibility, Driving &amp; Backing Up</li><li>• Terrain (Surface, Slope, etc)</li><li>• Environmental Damage</li><li>• Tandem Use / Collision</li><li>• Overhead Cables / Electrocution</li><li>• Wind</li></ul>
2. Identify and describe PPE and safety equipment.	<ul style="list-style-type: none"><li>• Harnesses &amp; Lanyards</li><li>• Warning Lights &amp; Buzzers</li><li>• High-Visibility Vests</li><li>• Hard Hats</li><li>• Safety Boots</li><li>• Hearing Protection</li></ul>
3. Equipment types	<ul style="list-style-type: none"><li>• Scissor Lift</li><li>• Telescopic Boom</li><li>• Telescopic &amp; Articulated Boom</li><li>• All-terrain / 4x4 &amp; Solid-Tire Models</li><li>• Safe Working Loads &amp; Load Limits</li></ul>
4. Visual inspection	<ul style="list-style-type: none"><li>• Service &amp; Maintenance Manuals</li><li>• Protocols for Damaged / Unsafe Equipment</li><li>• Fuel, Oil, Hydraulics &amp; Lubricants, Battery</li><li>• Tire Pressure &amp; Wheel Nuts</li><li>• Emergency Brakes, Lights &amp; Safety Devices</li></ul>

	<ul style="list-style-type: none"> <li>• Structural Defects</li> <li>• Miscellaneous (Pull Cords, Vibration Dampers, etc.)</li> </ul>
5. Safe Operation of MEWP equipment.	<ul style="list-style-type: none"> <li>• OSHA Regulations</li> <li>• Good Practice</li> <li>• Hand Signals</li> <li>• PPE &amp; Safety Equipment</li> <li>• Inspection of MEWP &amp; Safety Features</li> <li>• Identify Lifting Capacity</li> <li>• Safe Starting Procedures</li> <li>• Operating Envelope</li> <li>• Safe Travelling</li> <li>• Safe Operation</li> <li>• Safe Parking &amp; Shut-Down Procedures</li> </ul>

### GOALS FOR SUCCESSFUL COMPLETION

#### Theory:

- i) Given a multiple choice test of 40 recall/recognition type questions about MEWP equipment safety consisting of:
- PPE & Working around MEWP equipment (15 Questions)
  - Hazards (10 Questions)
  - Safe Operation & Loads (10 Questions)
  - Maintenance (5 Questions)

Learners will answer all questions within 40 minutes and score a minimum of 80% or 32 correct answers without reference materials.

#### Practical:

- ii) Given the following:
- Telescopic & Articulated Boom type MEWP
  - PPE

Learners will perform a complete visual inspection, and correctly determine if the MEWP is fit for use (safe, all safety features/devices in operable condition, suitable for application, etc). Learners will correctly determine the load limits and operating envelope of the machine.

- iii) Given the following:
- Telescopic & Articulated Boom type MEWP
  - PPE

Learners will perform a visual inspection of the MEWP, and correctly determine if it is fit for use (safe, all safety features/devices in operable condition, suitable for application, etc). Learners will safely and correctly operate the MEWP and perform a variety of common tasks. Learners will select and use all appropriate PPE, and demonstrate correct start-up, parking and shut-down procedures.