



TOPIC OF STUDY

OSHA Safety Requirements



KEY TERMS

OSHA
EAP

LESSON

Emergency Action Plan (EAP)

BIG IDEA(S)

All employees should be familiar with the OSHA-required Emergency Action Plan

OBJECTIVES

Students will:

- Correctly demonstrate a variety of first aid skills.
- Identify the required elements of an EAP.
- Develop an Emergency Action Plan for a simulated site.

TASK LIST SUBCATEGORY

307 Develop an Emergency Action Plan for a simulated site

309 Demonstrate CPR and first aid skills

310 Describe appropriate responses to job site emergencies

OVERVIEW

OSHA requires that employers develop and keep at the workplace a site-specific emergency action plan (EAP). The EAP should be reviewed and revised on a regular basis. The EAP should include the following:

1. A description of all emergency escape procedures and routes.
2. Any procedures to be followed by designated employees who may remain to operate necessary functions before evacuating themselves.
3. Procedures to initially and periodically account for all employees during and after emergency evacuation.
4. Specific emergency rescue and medical duties for those employees trained, equipped and designated (in writing) to perform them.
5. Detailed and preferred means of reporting emergencies to the employer and emergency responders.
6. The names, positions and duties of designated in-house emergency personnel (Competent Persons), who will either respond specifically during an emergency or be responsible for the design, maintenance and overall implementation of the EAP.
7. The emergency alarm system(s) to be used on the construction site.

STANDARDS

See PA Emergency Response Guidelines for Construction/Solar.

INSTRUCTIONAL

MATERIALS NEEDED

Content: Sample EAPs

Technology: Computers with internet access





TOPIC OF STUDY

OSHA Safety Requirements

 90 MINUTES

IMPLEMENTATION (LESSON PLAN)

ENGAGE

1. Ask students to think about the rules and procedures for a school fire drill.
2. Ask students to think about other ways that they and their families might be prepared for emergencies at home (i.e. first aid kit, smoke detectors, flash light/candles, etc...)
3. Explain to students that OSHA requires all employers to have a written Emergency Action Plan (EAP).

EXPLORE

- Have teams of 2-3 students work on developing a checklist of all of the things that should be part of the EAP.

EXPLAIN

1. Ask teams to report out on their checklist items.
2. Provide students with an EAP from a Solar company such as Solar States

EXTEND

1. In Year 2 and 3 student teams should develop and revise their own EAPs for use with their final capstone projects.
2. Have students complete a CPR and First Aid training through the school or a local YMCA or similar agency.

EVALUATE

1. Teacher should grade checklists and plans looking for the OSHA minimum requirements.
2. Teacher may also create case studies and ask students to respond appropriately.

RESOURCES/LINKS

OSHA Emergency Action Plans

<https://www.osha.gov/laws-regs/regulations/standardnumber/1926/1926.35>

Roofing Contractor Emergency Preparedness

<https://www.roofingcontractor.com/articles/84145-emergency-preparedness>

Sample EAP From Texas

https://beaumonttexas.gov/wp-content/uploads/pdf/eoc/cob_bus_sample_eop.pdf

