



Scenario 4

Temat - BUILDING SITE SAFETY - SAFETY EQUIPMENT, SITE SAFETY SIGNS, FIRE EVACUATION PLAN

Time: 180 minutes

Aims:

The students can:

- talk about building site safety,
- agree/disagree with an opinion,
- give instructions,
- describe a problem,
- give a warning.

Materials:

Coursebook: 'Construction I – Buildings'; V. Evans, J. Dooley, J. Revels / Express Publishing, board, worksheets, CD player, computer with access to the Internet

Didactic concept:

Task-based language learning; Cooperative learning

Organisation:

small groups, individuals, pair work, open class

Procedure:

1. Presentation of the new topic.

'BUILDING SITE SAFETY - SAFETY EQUIPMENT, SITE SAFETY SIGNS AND FIRE EVACUATION PLAN'

2. **Vocabulary:**

safety glasses, goggles, face shield, leather gloves, grip gloves, kneepads, steel-toe boots, dust mask, first aid kit, hard hat, earplugs, personal protective equipment, site safety signs:

ORDERING SIGNS - wear head protection, wear eye protection, wear hearing protection, wear face protection, wear high visibility clothing, protective footwear must be worn, wear welding mask, wear dust mask

WARNING SIGNS – caution-overhead load, danger-high voltage, incomplete scaffold, buried cables, deep excavations, heavy plant and machinery operate on site

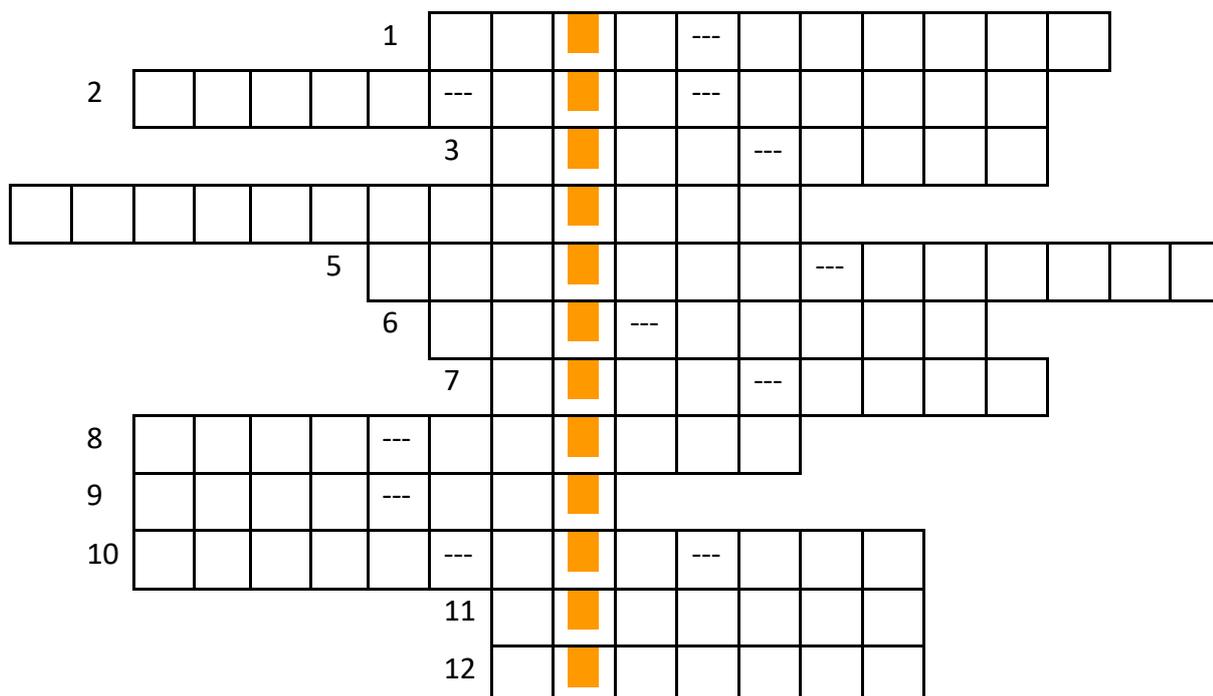


PROHIBITING SIGNS - no naked flames, staff only, unauthorized entry to this site is strictly forbidden, children must not play on this site

Escape route, Emergency exit, First aid kit, Fire blanket, Electrical switch board, Smoke detector, Fire hose, You are here sign, emergency door, fire extinguisher (foam fire extinguisher, dry powder fire extinguisher, fluid fire extinguisher, hand-operated fire extinguisher, carbon tetrachloride extinguisher

Task 1.

Safety equipment crossword .



- 1 a piece of safety equipment, typically made of plastic, glass or wire that protects the entire face from dangers like flying objects
- 2 boots that have extra reinforcement at the toe, typically a plate made of steel
- 3 type of protective equipment that provide cushioning to protect the knees in case of a fall and provide comfort when doing tasks that involve kneeling
- 4 type of protective eyewear which have plastic lenses that will not shatter
- 5 type of safety equipment that protect the hands while doing hazardous work
- 6 small, flexible pieces of rubber or plastic that are put in the ears to protect them from loud noises
- 7 partial face-covering that prevents the wearer from getting dust particles in his or her nose or mouth
- 8 emergency exit from a building



- 9 helmet made of metal or plastic that protects the head on construction sites
- 10 container that has all of the basic supplies needed to treat a minor injury
- 11 type of protective eyewear that covers the eyes and the area around them
- 12 a person who has physical damage to part of their body, usually as a result of an accident

Answers:

1 face shield; 2 steel toe boots; 3 knee pads; 4 safety glasses; 5 leather gloves; 6 ear plugs; 7 dust mask; 8 fire escape; 9 hard hat; 10 first aid kit; 11 goggles; 12 injured

Password: CONSTRUCTION

Task 2.

The sentences are from a dialogue between a construction site manager and a construction worker. Who says each sentence?

- Put them in the right order , listen and check your answers.
- Use the conversation and act out the roles. Talk about a lack of safety equipment and the consequences of not wearing it.

I'm sorry. It's just that it's so hot out here!
I understand.
I know it is. But you could be hurt or killed without them.
Well, you need to wear them at all times. Otherwise, the safety inspectors can fine us.
I just took them off.
Okay. I'll put them back on.
Thank you. This is just a verbal warning. Next time , it'll be a written warning.
Richard, where are your hard hat and safety glasses?

Cooperative learning – Students learn from each other. They must share information in order to complete their task. They learn to deal with conflicts when they arise. It improves teamwork skills.

Task 3.

Writing – 'Written Warning'

You are a construction site manager. The employee didn't follow the safety rules. Write a WRITTEN WARNING. Write about: *reasons for warning, actions taken in addition to warning and consequences of further infractions.*



Task-Based Language Learning – Students are given a chance to use whatever language they have to express themselves. Teacher doesn't impose his/her ideas, just monitors and gives encouragement and is available for the students to ask for advice.

Task 4.

- Use the Internet to find and draw the site safety signs. Divide them into three groups: ORDERING SIGNS / WARNING SIGNS/ PROHIBITING SIGNS. Present your ideas to the class.
- Tell the class two reasons why someone should follow the signs.

wear head protection	
staff only	
wear hearing protection	
buried cables	
wear high visibility clothing	
protective footwear must be worn	
incomplete scaffold	
wear dust mask	
unauthorized entry to this site is strictly forbidden	
danger-high voltage	
wear welding mask	
wear face protection	
deep excavations	
heavy plant and machinery operate on site	
no naked flames	
wear eye protection	
caution-overhead load	
children must not play on this site	

Task 5.

Watching the ' Health and Safety Tutorial':

<https://www.youtube.com/watch?v=eW7GBuaBuek> (15.03.2018r.)

Watch the video and answer the questions:



1. Why would a site need to be secure?
2. Can you identify what these eight site safety signs mean?
3. What is PPE? Give 5 examples of essential PPE and explain how they could protect you.
4. Why do health and safety information signs have different colours?
5. Fire extinguishers also come in different colours. What do these colours mean ?
6. Risk is measured in two ways:
 - how severe the hazard is
 - how likely to occur the hazard is

Explain what is meant by: severity and likelihood.

7. Who are the HSE and what's their role in construction ?

Task 6. (group work)

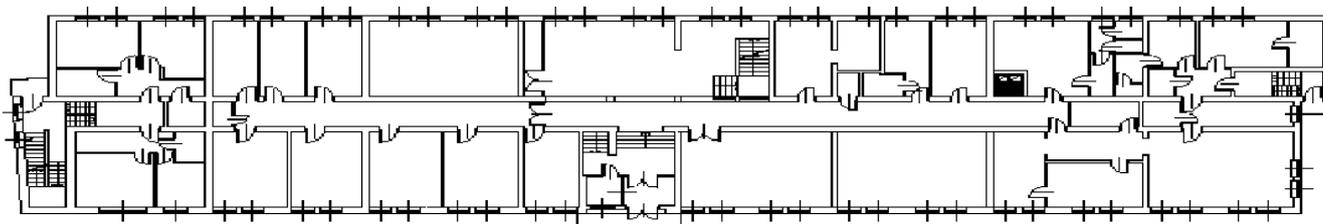
'Gallery walk' – Students share their opinions on the topic and then compare what they found with the rest of the class. It encourages creative thinking and helps forming opinions.

Imagine you are giving a 5-minute speech about being a responsible worker. Do Internet research , collect more information and make notes under the headings:

- Hand and power tools safety
- PPE
- Fire hazard
- First aid

Give your presentation to the class.

Task 7. ' FIRE EVACUATION PLAN '



1. Mark the following on the plan and justify your choice: Escape route, Emergency exit, First aid kit, Fire blanket, Electrical switch board, Smoke detector, Fire hose, You are here sign, emergency door, fire extinguisher (foam fire extinguisher, dry powder fire extinguisher, fluid fire extinguisher, hand-operated fire extinguisher, carbon tetrachloride extinguisher)

2. Writing – Collect information and prepare FIRE EVACUATION PLAN.

Task-Based Language Learning – Students prepare a short report. They are free of language control. They practise what they are going to say in their groups. A natural context is developed. Teacher walks round and monitors their work.