

Тема занятия: «Меры техники безопасности»

Цель занятия: выучить новый лексический материал по теме «Меры техники безопасности»; совершенствовать навыки чтения и перевода текста профессионального направления; систематизировать знания, ответив на контрольные вопросы по теме занятия.

Уважаемые студенты! Ознакомьтесь с материалами практического занятия на тему «Меры техники безопасности». Конспект занятия выполняйте **в рабочей тетради письменно, обязательно указывая дату занятия, тему занятия, номер упражнения.** Ответы предоставить преподавателю на проверку **до 25. 01. 2023 г.** в электронном виде (**фотоотчёт**) на e-mail mikagol2605@mail.ru. Телефон преподавателя для консультации и возникающих вопросов: 072-14-15-816.

С уважением, Голодюк Марина Викторовна.

1. Запишите новую лексику в словарь, выучите новую лексику.
2. Прочитайте и устно переведите текст «Safety precautions».
3. Дайте письменно ответы на вопросы к тексту.

Safety precautions

Vocabulary:

safety precautions - меры техники безопасности

emergency stop - аварийный выключатель

unauthorized person - посторонний

safety glasses - защитные очки (из бесосколочного стекла)

flame-proof – негорючий

return cable - обратный провод

fire-extinguishing - противопожарный

lubrication - смазка

maintenance - техническое обслуживание

safety practices - меры безопасности

hazard data - сведения об авариях

to earth - заземлять

live electrical parts - части или детали под напряжением

to insulate - изолировать

working stance - рабочее место

filter lens - светофильтр

spatter - брызги (металла)

flammable - горючий, легко воспламеняющийся

earmuff - беруши (приспособление для защиты от шума)

manual - руководство, инструкция

Users of company's welding equipment have the ultimate responsibility for ensuring that anyone who works on or near the equipment observes all the relevant safety precautions. Safety precautions must meet requirements that apply to this type of welding equipment. The following recommendations should be observed in addition to standard regulations that apply to the work-place.

All work must be carried out by trained personnel, well acquainted with the operation of the welding equipment, incorrect operation of the equipment may lead to hazardous situations which can result in injury to the operator and damage to the equipment.

1. Anyone who uses this welding equipment must be familiar with:

- its operation;
- location of energy stops;
- its function;
- relevant safety precautions.

2. The operator must ensure that:

• no unauthorized person is stationed within the working area of the equipment when it is started up;

- no-one is unprotected when the arc is struck.

3. The workplace must:

- be suitable for the purpose;

- be free from draughts.

4. Personal safety equipment:

- always wear recommended personal safety equipment, such as safety glasses, flame-proof clothing, safety gloves;
- do not wear loose-fitting items, such as scarves, bracelets, rings, etc., which could become trapped or cause burns.

5. General precautions:

- make sure the return cable is connected securely;
- work on high voltage equipment may be carried out only by a qualified electrician;
- appropriate fire extinguishing equipment must be clearly marked and close at hand;
- lubrication and maintenance must not be carried out on the equipment during operation.

Warning.

Arc welding and cutting can be injurious to yourself and others. Take precautions when welding. Ask for your employer's safety practices which should be based on manufacturer's hazard data.

Electric shock can kill:

- install and earth the welding unit in accordance with applicable standards;
- do not touch live electrical parts with bare skin, wet gloves or wet clothing;
- insulate yourself from earth and the workpiece;
- ensure your working stance is safe.

Fumes and gases can be dangerous to health:

- keep your head out of the fumes;
- use ventilation, extraction at the arc, or both, to take fumes and gases away from your breathing zone and the general area.

Arc rays - can injure eyes and burn skin:

- protect your eyes and body. Use the correct welding screen and filter lens and wear protective clothing;
- protect by-standers with suitable screens or curtains.

Fire hazard:

- sparks (spatter) can cause fire. Make sure therefore that there are no inflammable materials nearby.

Noise:

- protect your ears. Use earmuffs or other hearing protection;
- warn by-standers of the risk.

Malfunction: call for expert assistance in the event of malfunction.

Дайте письменно ответы на вопросы:

1. What should a person using welding equipment know?
2. What personal protective equipment for a welder do you know?
3. What general precautions should be taken when working on welding equipment?
4. List the factors that cause harm and danger to the health of the welder.