

МИНИСТЕРСТВО ОБРАЗОВАНИЯ МОСКОВСКОЙ ОБЛАСТИ
ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ ПРОФЕССИОНАЛЬНОЕ
ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ
МОСКОВСКОЙ ОБЛАСТИ
«ЛУХОВИЦКИЙ АВИАЦИОННЫЙ ТЕХНИКУМ»

КОНСПЕКТ ОТКРЫТОГО УРОКА

**по дисциплине
«Иностранный язык
в профессиональной деятельности»**

для специальности
13.02.11

«Техническая эксплуатация и обслуживание электрического и
электромеханического оборудования»



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**г. Луховицы
2020 год**

Группа: ТЭО 2-21

Дата проведения: 18.12.2020 г.

Урок развивающего контроля

Цели:

Деятельностная: научить студентов способам самоконтроля и взаимоконтроля, формировать способности, позволяющие осуществлять контроль.

Содержательная: проверка знания, умений, приобретенных навыков и самопроверка обучающихся.

Задачи:

Образовательная: повторить и обобщить лексико-грамматический материал по ранее изученным темам.

Развивающая: развивать познавательную активность обучающихся, совершенствовать рецептивные и продуктивные навыки обучающихся (все виды речевой деятельности) при выполнении лексических упражнений.

Воспитательная: привить любовь к изучаемому языку, формировать навыки работы в дистанционном режиме обучения, воспитывать способность к групповой деятельности, воспитание толерантности к чужому мнению.

Вид: дистанционное практическое онлайн-занятие

Тема урока:

Повторение и обобщение пройденного материала

Оборудование:

- компьютер, звуковые колонки/наушники, микрофон;
- платформа онлайн-конференций Zoom (канал связи);
- презентация по теме урока.

Используемые электронные ресурсы:

- Цифровой колледж Подмосковья;
- электронный учебник Career Paths: Electrician by V.Evans (Express DigiBooks);
- игровая обучающая платформа Kahoot (<https://kahoot.it/>);
- онлайн-викторина «Kahoot! Elements of Electricity», созданная и размещенная на сайте: <https://create.kahoot.it/details/583815a5-14d0-485e-b218-cb9f362ddabe>

Ход урока

Организационный этап: подготовка учащихся к работе на уроке, проверка присутствующих (2 мин)

T: Good afternoon! I'm very glad to see you! Can you see me? Do you hear me well? Are you alright? Use the chatbox to greet your groupmates. Who is absent today? Are you ready to study? Let's begin!

Мотивационный этап (2 мин)

T: What are our targets today? First, we are to discuss some questions.

Then we will revise basic terms and notions, basic math operations.

As for the Kahoot test, it's about basic elements of electricity.

After that we will revise some grammar rules, passive constructions in particular.

So, what is the topic of our lesson? That's right!

Today we've got a Revision lesson about Electricity: basic terms and notions.

Targets



Get ready!

- your opinion

Vocabulary Revision

- basic terms and notions
- math calculations
- Kahoot! Elements of Electricity

Grammar Revision

- make the sentences passive

Summing Up

- what we have learnt so far

Этап актуализации знаний (4 мин)

T: Now let's begin with the discussion. Answer the questions:

– **Why are numbers and math important for electricians to know?**

S: *Numbers and math are important for electricians to know because they need them for their jobs. Electricians have to take measurements and multiply them to find the area of a space. They may also need to add numbers to figure out the cost of the work they did for someone.*

– **What kinds of measurements are used by electricians?**

S: *Measurements used by electricians include meters, yards and feet. These types of measurements can be used for measuring installations*

– **What are some of the different ways to measure electricity?**

S: *Amperes are one of the most common ways to measure electricity. They measure the strength of a current. Voltage measures the force moving that current. Watts measure how much power a device uses.*

– **Why must electricians understand how to calculate ohms?**

S: *It is important for electricians to understand how to calculate ohms so that they can make choices about materials. Ohms tell electricians how well a certain material conducts electricity. The more ohms a material is rated at, the more resistant it is to electricity.*

T: Yes. You are absolutely right!

Этап самостоятельной работы и самопроверки, развития познавательной активности обучающихся при выполнении лексических упражнений (6 мин)

T: Let's do some exercises. Match the words with the definitions. Use the chatbox to type your answers. Good!

Vocabulary revision: basic terms and notions

Match the words with the definitions (A-F).

AC

ohm

current

voltage

volt

DC



A a measurement of the force of electricity

B a current that flows in two directions

C a measurement showing resistance

D the quantity of electricity in a wire

E the strength of moving electricity

F a current that flows in one direction

REVISION

T: Fill in the blanks with the words from the word bank.

Vocabulary revision: basic terms and notions

Fill in the blanks with the words from the word bank.

word BANK

wattresistancempereselectron

1 A(n) is too small to see without a powerful microscope.

2 Many wires are made out of copper because of its low .

3 A(n) measures how much electrical power is being used.

4 A common way to measure electric current is .

Use the chatbox
to type your answers:

Good!

13:37:27	От Александр Сидоров! : electron
13:37:28	От Салтыков Максим : electron
13:37:29	От Владимир Фокин : electorn
13:37:31	От Федыкин Андрей : electron
13:37:32	От Осипов Дмитрий : electron
13:37:34	От Алексей Рыбаков! : electron
13:37:37	От Денис Фёдоров : electron
13:37:39	От Всеволод Салтыков : electron
13:37:42	От Никита Осипов ! : electron
13:37:43	От Якушкин Никита : electron
13:37:47	От Арсений Фатеев! : electron
13:37:52	От Данил Хашимов : electron
13:38:39	От Арсений Фатеев! : resistance
13:38:40	От Денис Фёдоров : resistance
13:38:46	От Салтыков Максим : resistance
13:38:48	От Алексей Рыбаков! : resistance
13:38:50	От Всеволод Салтыков : resistance
13:38:50	От Федыкин Андрей : resistance
13:38:52	От Владимир Фокин : resistance
13:38:53	От Осипов Дмитрий : resistance
13:38:53	От Якушкин Никита : resistance
13:38:55	От Данил Хашимов : resistance
13:39:00	От Никита Осипов ! : resistance
13:39:28	От Денис Фёдоров : watt
13:39:28	От Владимир Фокин : watt
13:39:29	От Арсений Фатеев! : watt
13:39:30	От Алексей Рыбаков! : watt
13:39:30	От Никита Осипов ! : watt
13:39:30	От Салтыков Максим : watt
13:39:30	От Якушкин Никита : watt
13:39:32	От Всеволод Салтыков : watt
13:39:33	От Осипов Дмитрий : watt

T: Let's do some calculations. Well done!

Vocabulary revision: math calculations



$$3,546 - 13 =$$

$$27 + 59 =$$

$$81 : 9 =$$

$$0.12 \times 4 =$$

$$10,050 + 150 =$$

REVISION

T: Let's calculate resistance.

LET'S CALCULATE RESISTANCE

Suppose that voltage equals 110 V and current equals 2 amp.
How much is the resistance?

S: Suppose that voltage equals 110 V and current equals 2 amp.
How much is the resistance?

Resistance equals voltage divided by current.
 $R = 110 / 2 = 55$ ohms.

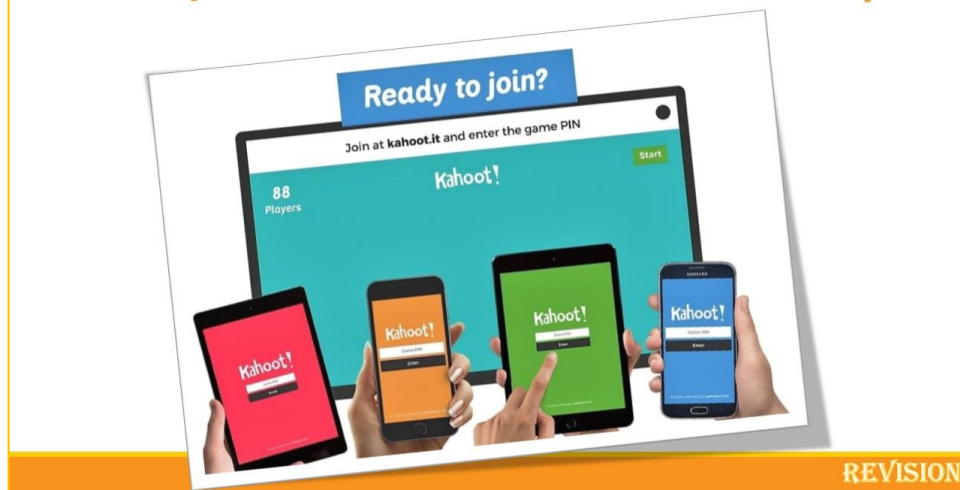
So, the resistance in the circuit is 55 ohms.

T: That's right!

Этап решения задач творческого уровня (викторина "Kahoot! Elements of Electricity» на базе игровой обучающей платформы Kahoot (7 мин)

T: Now let's do Kahoot test it's about basic elements of electricity.

Vocabulary revision: Kahoot! Elements of Electricity



Kahoot! Elements of Electricity

Live • Hosted by olinalazutina

81% Correct answers
2/13 Didn't finish
0 Need help
0 Difficult questions

Players (13)

Nickname	Rank	Correct answers	Unanswered	Final score
Sidorov Ale...	1	100%	0	8609
Dart Vsevol...	2	100%	0	8430
Osipov D	3	90%	0	8412
Osipov D	3	90%	0	8006
ANDREYFE...	4	90%	0	7983
Rybakov Al...	5	90%	0	7323
Saltykov Ma...	6	80%	1	7225
osipov nikita	7	80%	1	6866
Osipov A	8	80%	0	6519
Fateev Arse...	9	80%	0	6186
FEDOROV...	10	80%	0	5484
Yakushkin	11	60%	0	5369
KHASHIMOV	12	60%	0	5090
vova_fokin	13	70%	0	



Kahoot! Elements of Electricity

0 favorites

7 plays

57 players

A public kahoot



Questions (10)



1 - Quiz

the degree to which a substance prevents the flow of an electric current through it

30 sec



power



resistance



ammeter



current



2 - Quiz

a device that produces electricity to provide power for radios, cars, etc.

20 sec



meter



voltage



battery



conductor



3 - True or false

A meter is a device that measures the amount of something that is used

30 sec



True



False



4 - Quiz

electricity when considering its use or the ability to produce energy

30 sec



capacity



power



element



current



5 - Quiz

the standard unit of electrical resistance

20 sec



ohm



ampere



volt



add



6 - True or false

Carbon is commonly used to produce positive electrodes

20 sec



True



False



7 - Quiz

a substance that allows heat or electricity to go through it

30 sec

- ☒ conductor ✓
- ☐ voltage ✗
- ☐ power ✗
- ☐ subtraction ✗

8 - True or false

Voltmeters are used to reduce the value of current in the circuit

30 sec

- ☐ True ✗
- ☒ False ✓

9 - Quiz

The capacity of a capacitor is measured in


20 sec

- ☒ farads ✓
- ☐ volts ✗
- ☐ amperes ✗
- ☐ ohms ✗

10 - Quiz

the number below the line in a fraction

20 sec

- | | | |
|---|-------------|---|
|  | numerator | ✗ |
|  | subtraction | ✗ |
|  | degree | ✗ |
|  | denominator | ✓ |



T: Well done! I hope you've enjoyed the game!

Этап самостоятельной работы и самопроверки обучающихся при выполнении грамматических упражнений (3 мин)

T: Let's revise some grammar rules, passive constructions in particular. Make the sentences passive.

Grammar revision

Make the sentences passive.

- a) A resistor reduces current.
- b) A conductor connects the elements of the circuit.
- c) A voltage source doesn't conduct current.

REVISION

S: *Current is reduced by a resistor.*

The elements of the circuit are connected by a conductor.

Current isn't conducted by a voltage source.

Этап постановки домашнего задания, инструктаж по его выполнению, подведение итогов урока (3 мин)

T: Our time is up.

But the lesson is not over yet. We are going to finish our zoom-meeting but you've got some exercises to do.

Assignment



ЭУМК: «Электромонтажные работы»

Unit 16 Numerals from Ten to Twenty

Keywords, Practices, Practice Control

Unit 17 Numerals from Twenty to One Thousand

Keywords, Practices, Practice Control

https://e-learning.tsplk-mo.ru/shellserver?id=9779&module_id=1115314#1115314

REVISION

ЭУМК: «Электромонтажные работы»

Unit 16. Numerals from Ten to Twenty.

Unit 17. Numerals from Twenty to One Thousand.

Keywords, Practices, Practice Control

You are to revise numerals. Here's the link.

Are there any questions?

Этап рефлексии деятельности (3 мин)

T: Do you remember the targets of our lesson today? Let's sum them up. What have we learnt today? Now read the statements. Do you agree?

Summing up



What have we learnt so far?

We've discussed

- our points of view

We've revised

- basic terms and notions
- basic math operations

We've done

- Kahoot test about basic elements of electricity

We've revised

- passive constructions

REVISION

S: *First, we have discussed some questions. Then we have revised basic terms and notions and have done some basic math calculations. The Kahoot test was about basic elements of electricity. After that we have revised some grammar rules, passive constructions in particular.*

14:03:54	От Александр Сидоров! : interested
14:03:56	От Салтыков Максим : good lesson
14:04:02	От Осипов Дмитрий : good lesson
14:04:05	От Якушкин Никита : good lesson
14:04:07	От Денис Фёдоров : yes
14:04:09	От Салтыков Максим : perfect
14:04:09	От Александр Осипов : Not bad
14:04:13	От Алексей Рыбаков! : nice lesson
14:04:15	От Арсений Фатеев! : nice lesson
14:04:16	От Всеволод Салтыков : Not bad
14:04:18	От Салтыков Максим : kahoot
14:04:19	От Федькин Андрей : good teacher - good lesson
14:04:22	От Алексей Рыбаков! : kahoot
14:04:26	От Федькин Андрей : kahoot
14:04:26	От Алексей Рыбаков! : :(
14:04:28	От Осипов Дмитрий : kahoot
14:04:42	От Салтыков Максим : bye
14:04:43	От Салтыков Максим :))
14:04:44	От Осипов Дмитрий : bye
14:04:48	От Алексей Рыбаков! : bye

T: Well done! It was a great pleasure to work with you today! The best learners today are **Ss**. As for the other students, everyone was well prepared and tried to do his or her best. Well done!

Thank you for the lesson! Good-bye!