

ФЕДЕРАЛЬНОЕ АГЕНТСТВО ЖЕЛЕЗНОДОРОЖНОГО ТРАНСПОРТА
Федеральное государственное бюджетное образовательное учреждение
высшего образования
Иркутский государственный университет путей сообщения
Сибирский колледж транспорта и строительства

ОГСЭ.04 Иностранный язык в профессиональной деятельности

Учебно-методические указания к практическим занятиям
для обучающихся 2 курса

для специальности

08.02.01 Строительство и эксплуатация зданий и сооружений

базовая подготовка

среднего профессионального образования

Иркутск 2024

Электронный документ выгружен из ЕИС ФГБОУ ВО ИргГУПС и соответствует оригиналу

Подписант ФГБОУ ВО ИргГУПС Трофимов Ю.А.

00920FD815CE68F8C4CA795540563D259C с 07.02.2024 05:46 по 02.05.2025 05:46 GMT+03:00

Подпись соответствует файлу документа



РАССМОТРЕНО:
Цикловой методической
комиссией гуманитарных дисциплин
Протокол № 13
Председатель ЦМК: Очинская М.В.
11 апреля 2024 года.

Авторы: О.В.Горовая, М.А. Ибрагимова О.В., преподаватели высшей квалификационной категории Сибирский колледж транспорта и строительства ФГБОУ ВО «Иркутский государственный университет путей сообщения».

СОДЕРЖАНИЕ

| | | |
|----|--|----|
| 1. | Пояснительная записка | 4 |
| 2. | Практическая работа 1. Образование. Education | 6 |
| 3. | Практическая работа 2. Защита окружающей среды. Environment protection | 16 |
| 4. | Практическая работа 3. Средства коммуникации. Means of communication | 27 |
| 5. | Литература | 36 |

1. Пояснительная записка

Данные методические указания к практическим работам по иностранному языку предназначены для студентов 2х курсов колледжа специальности 08.02.01 Строительство и эксплуатация зданий и сооружений.

Методические указания составлены в соответствии с требованиями действующей рабочей программы по иностранному языку для специальности 08.02.01 Строительство и эксплуатация зданий и сооружений и отображают требования по выполнению следующих компетенций:

| Код ОК, ПК | Умения | Знания |
|--|--|---|
| ОК 01. Выбирать способы решения задач профессиональной деятельности применительно к различным контекстам. | понимать общий смысл воспроизведенных высказываний в пределах литературной нормы на профессиональные темы; | - особенностей произношения интернациональных слов и правил чтения технической терминологии и лексики профессиональной направленности; |
| ОК 02. Использовать современные средства поиска, анализа и интерпретации информации и информационные технологии для выполнения задач профессиональной деятельности | - понимать содержание текста, как на базовые, так и на профессиональные темы; | - основных общеупотребительных глаголов профессиональной лексики; |
| ОК 03. Планировать и реализовывать собственное профессиональное и личностное развитие, предпринимательскую деятельность в профессиональной сфере, использовать знания по финансовой грамотности в различных жизненных ситуациях. | - осуществлять высказывания (устно и письменно) на иностранном языке на профессиональные темы; | - лексического (1000-1200 лексических единиц) минимума, относящегося к описанию предметов, средств и процессов профессиональной деятельности; |
| ОК 04. Эффективно взаимодействовать и работать в коллективе и команде. | - осуществлять переводы (со словарем и без словаря) иностранных текстов профессиональной направленности; | - основных грамматических правил, необходимых для построения простых и сложных предложений на профессиональные темы и перевода текстов профессиональной направленности. |
| ОК 05. Осуществлять устную и письменную коммуникацию на государственном языке Российской Федерации с учетом особенностей социального и культурного контекста. | - строить простые высказывания о себе и своей профессиональной деятельности; | - основных грамматических правил, необходимых для построения простых и сложных предложений на профессиональные темы и перевода текстов профессиональной направленности. |
| ОК 06. Проявлять гражданско-патриотическую позицию, демонстрировать осознанное поведение на основе традиционных общечеловеческих ценностей, применять стандарты антикоррупционного поведения. | - производить краткое обоснование и объяснение своих текущих и планируемых действий; | |
| ОК 07. Содействовать сохранению окружающей среды, ресурсосбережению, эффективно действовать в чрезвычайных ситуациях. | - выполнять письменные простые связанные сообщения на интересующие профессиональные темы; | |
| ОК 08. Использовать средства физической культуры для | - разрабатывать планы к самостоятельным работам для подготовки проектов и устных сообщений; | |
| | - письменно переводить тексты по профессиональной тематике и техническую документацию с | |

| | | |
|--|---------------------------------------|--|
| сохранения и укрепления здоровья в процессе профессиональной деятельности и поддержания необходимого уровня физической подготовленности. | использованием разных типов словарей. | |
| ОК 09. Пользоваться профессиональной документацией на государственном и иностранном языках. | | |

Методические указания представлены в трех частях:

1. Лексико-грамматические упражнения и тексты по теме «Образование. Education»;
2. Лексико-грамматические упражнения и тексты по теме «Защита окружающей среды. Environment protection»;
3. Лексико-грамматические упражнения и тексты по теме «Средства коммуникации. Means of communication».

Практическая работа 1. «Образование. Education».

Цель: изучить лексику по теме «Образование. Education», повторить грамматический материал.

Содержание работы: тексты для чтения по данной теме, упражнения на усвоение и закрепление лексико-грамматического материала.

Задание: прочитать, перевести тексты, выписать и выучить новые лексические единицы, выполнить ряд предложенных упражнений на закрепление лексики и грамматического материала.

1. Изучите лексический материал по теме:

| | |
|---------------------------|---------------------------|
| to stay at school | учиться в школе |
| education | образование |
| higher education | высшее образование |
| secondary education | среднее образование |
| educational establishment | учебное заведение |
| academic subject | гуманитарный предмет |
| subject | предмет |
| foreign language | иностранный язык |
| technical course | технический предмет |
| to charge fee | устанавливать плату |
| primary school | начальная школа |
| secondary school | средняя школа |
| private school | частная школа |
| comprehensive school | общеобразовательная школа |
| workshop | мастерская |
| laboratory | лаборатория |
| boarding-school | школа-интернат |
| to get a degree | получить степень |
| graduation | окончание ВУЗа |
| to graduate from | окончить ВУЗ |
| to attend (lectures) | посещать (лекции) |
| college | колледж |
| tutorial | практическое занятие |
| class (lesson) | урок |
| to teach | обучать |
| term | семестр |
| grant, scholarship | стипендия |
| to study | учиться |
| free of charge | бесплатный |
| compulsory | обязательный |
| to pass an examination | сдать экзамен |
| to fail in an examination | не сдать экзамен |
| to take an examination | держаться экзамен |
| entrance | поступление, вход |
| to enter | поступать |
| entrance exams | вступительные экзамены |
| department | отделение |
| commercial course | коммерческий курс |
| hostel | общежитие |
| mark | оценка |

2. Выполните лексико-грамматические упражнения по теме:

1. Read international words transcribe and translate them

History, discipline, liberal, discuss, arithmetic, special, physical, organize, social, group

2. Find the definition for each term

- | | |
|---------------|--|
| 1. Term | a) money given to support a student during his/her studies |
| 2. College | b) a speech to a group of people as a method of teaching |
| 3. Tutorial | c) teaching or the training of mind and character |
| 4. Laboratory | d) one of the periods of time, into which the school or university year is divided |
| 5. Test | e) a place of education for children |
| 6. Lecture | f) a school for professional education |
| 7. Timetable | g) a list of the times when school lessons take place |
| 8. School | h) a lesson given to a very small class |
| 9. Education | i) a number of questions to measure someone's knowledge |
| 10. Grant | j) a room equipped for scientific work |

1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6 ___ 7 ___ 8 ___ 9 ___ 10 ___

3. Unscramble the following words

rendlihc _____ lupip _____
toryborala _____ seurco _____
eeegrđ _____ argnt _____
verusniyti _____ uretcel _____
onsels _____ lortnoc _____

4. Translate the sentences

1. My college is a four-storeyed building in the centre of the city.
2. When I come to college, I wipe my feet, take off my coat and go to the cloakroom.
3. It was good to come to the classroom before the bell rang.
4. After a few classes, I went to the canteen and had breakfast.
5. Our college is not only the place where we study, it's also the place where we stay after classes to take part in clubs.
6. When my friends who study in other colleges come to this place, they are surprised when they see that everything is in great order.
7. But I will reveal a secret: this is a merit of not only the board of the college but also our second home and we must take care of it.
8. During the breaks, I like to talk with my friends and read the college newspaper.
- 9 College life is difficult, but I know it's rewarding!
- 10 That's why I know that tomorrow I'll come here again!

5. Study the models. Read and translate the words

Model: основа глагола + tion, -sion, -ion = существительное

to graduate - _____ graduation - _____
to educate - _____ education - _____
to exam - _____ examination - _____

to direct - _____ direction - _____

Model: основа глагола+ -er/-or = существительное со значением лица, производящего
действия, или орудия действия

to teach - _____ teacher - _____

to write - _____ writer - _____

to direct - _____ director - _____

to learn - _____ learner - _____

6. Write the following sentences in Future & in Past Simple Tenses

1. Victor is free in the evening.
2. All the classrooms are on the first floor.
3. She is at the lecture.
4. The classrooms are the same.
5. My friend has many interesting books.
6. I have a beautiful picture.
7. These students have five examinations.

7. Use verbs *to be*, *to have* in the correct tense-forms and translate the sentences

1. I know that his father _____ many books in different foreign languages.
a) has b) are c) is
2. Next year there _____ new equipment in our school laboratory.
a) will be b) will have c) had
3. Now there _____ an indoor swimming pool in his college.
a) was b) are c) is
4. Ten years ago there _____ only a primary school in our village.
a) was b) were c) is
5. We _____ a large library with a lot of books in it.
a) has b) have c) had

8. Translate the sentences and put into the right form of adjectives

1. Strength of materials is (difficult) than chemistry.
2. Moscow University is (large) University in Europe.
3. Is it (interesting) to study at college than at school?
4. My friend works (hard) at his English than I.
5. This group studies (good) than that one.

9. Translate the sentences into English

1. Какой самый красивый город в России?
2. Я не знаю, какие игры в спорте более популярны?
3. Теннис более популярная игра, чем гольф.
4. Эта книга значительно интереснее, чем та книга.
5. Февраль – самый короткий месяц в году.

10. Give the full answers

1. What is the easiest subject?
2. What is the most difficult subject in your opinion?
3. What is the most interesting subject?

4. What language is more difficult English or Chinese?
5. Which is the hottest month of the year? What is the most boring subject for you?
6. Is New York a bigger city than London? Which city is bigger – Sochi or St Petersburg?

11. Fill the blanks with the suitable modal verbs (can, may, must or should)

1. Alec will have an English lesson tomorrow. He..... study tonight.
2. Mark is a good student He..... speak English well.
3. There is no ink in my pen. I write with a pencil?
4. My friend gave me an interesting book to read. She said, "You..... keep it for seven days."
5. You..... study much if you want to pass the examination well.
6. Carol speak three foreign languages.
7. I use your car tonight?
8. You take a day off whenever you like.

12. Mark the tense-forms of the verbs and translate the sentences

1. Students asked the lecturer many questions.(_____)
2. Usually a lab assistant shows the equipment to the students.(_____)
3. Students watched the process with great interest. (_____)
4. Tomorrow our teacher will give us a new task. (_____)
5. He asked me to bring a dictionary. (_____)

13. Change following into: a) a general question, b) question with a tag

1. The course of study at the universities lasts about six years.
2. Higher schools have their own computer centres.
3. The dean will send the students to a big plant in summer.
4. The teacher told the students to sign their drawings.

14. Make questions using the words below

1. He will graduate from the University next year.
When _____?
2. Our students took part in the meeting.
What _____?
3. She will teach English at college.
Where _____?
4. The best students receive scholarships.
What _____?
5. The seminar will take place on Monday.
When _____?
4. The students went to the canteen after the lectures.
Who _____?

3. Прочитайте, переведите текст и выполните к нему ряд упражнений:

1. Read and translate the text

History of education

As long as we live we continue to learn, and the education we receive when we are young helps us to continue learning. It is thought that schools first started in Egypt 5,000 to 6,000 years ago. Only the sons of nobles attended the first Egyptian schools, which taught reading, physical education and good

behavior.

A clear example of the way in which even neighboring peoples produce different types of education comes from ancient Greece. Sparta and Athens were two Greek states. The Spartans, hard and warlike people, gave a purely military education to their children. They were kept under a very strict discipline and were taught hunting, military scouting, swimming and the use of weapons. The Spartans despised literature, and some people think they could not even read.

The Athenians were building what we call a liberal education - one that helps a man to develop all sides of his nature. They thought it is important to educate the body as well as the mind, and had a program of physical training which consisted of running, jumping, wrestling and throwing the discus. As time went on Athenian education paid special attention to reading, writing and literature and these were taught by a special teacher, known as the "grammatist".

Greek philosophers, or thinkers, always discussed what education should try to do and what it should include. Plato wrote a book called "The Republic", which is one of the best books ever written on education. Since those days Greek ideas have influenced European education, especially secondary and university education.

The Romans were very good at organizing, and they were the first people to have schools run by the government free of charge. Throughout their great empire there was a network of these schools which provided for three stages of education: 1) primary schools, where they learned "three R's" (reading, writing, and arithmetic); 2)"grammar" schools to study the Greek and Latin languages and literatures; 3)the schools of rhetoric to be trained in rhetoric, or public speaking.

2. Write English equivalents out of the text

1. Способ, с помощью которого соседствующие народы
2. считали важным тренировать как тело, так и ум
3. впервые появились в Египте
4. по всей великой империи существовала сеть
5. мы продолжаем учиться на протяжении всей жизни
6. одна из лучших книг, когда-либо написанных об
7. обучались охоте, военному ориентированию
8. дискутировали о том, что образование должно было пытаться сделать

3. Complete the table containing some information about systems of education in different countries

| The name of the country | Who was taught | What was taught |
|-------------------------|----------------|-----------------|
| Egypt | | |
| Sparta | | |
| Athens | | |

4. Make sentences

- | | |
|--|---|
| 1. The Slavonic written language came to Rus | a) illiteracy among common people was high. |
| 2. The first university was founded | b) the Constitution and was free of charge and the same throughout the country. |
| 3. In pre-Revolutionary Russia | c) in the 9 th century. |

4. After 1991 in Russia along with state schools there appeared

5. After the revolution in 1917 education was guaranteed by

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

d) in 1755 in Moscow on the initiative of M.V. Lomonosov.

e) many private schools, colleges, lyceums, gymnasiums and different courses.

4. Прочитайте, переведите текст и выполните к нему ряд упражнений:

1. Read and translate the text. Make a short summary of the text.

The System of Education in Russia

The system of education in Russia has slightly changed for the last decade. Now it is presented by four main stages: pre-school education, school education, specialized secondary education, and higher education. Small children between three and six years old can attend kindergartens, if their parents who have to work are busy during the first half of the day. This helps them in socializing and preparing for school life. These children are prepared for a primary school because along with being involved in different games and activities, they are taught basic literacy and numeracy.

School education is the next stage of the whole system, which comprises three steps of the learning process: primary school, basic school and secondary school. Children in Russia begin attending primary school when they reach the age of six and a half or seven and the learning process lasts four years.

Each academic year starts on the first of September in all cities, towns, and settlements of the country. This has become a great national holiday that is celebrated as the Knowledge day. On this day, all streets and squares are crowded by cheerful, nicely dressed schoolchildren carrying bright bouquets of flowers. Practically, on the first of September there are no classes at school, instead pupils have special meetings, take part in festive concerts or go on interesting excursions. This makes the event unforgettable, especially for those who become first-form pupils.

In the primary school schoolchildren learn how to read and to write and are taught fundamentals of general subjects such as mathematics, Russian, literature; besides, they have physical education classes and learn drawing and music. Second-form pupils begin learning a foreign language.

After four years of studying the schoolchildren are admitted to the next step – basic school where they are taught for five years including the ninth form. During this period they acquire basic knowledge in different sciences: exact, natural and the humanities. After finishing the ninth form the students take examinations in two obligatory subjects (mathematics and Russian) and two other ones chosen by the student. When the schoolchildren pass the examinations, they are given a certificate, stating that they successfully completed the basic secondary school.

Attending classes from the first to the ninth form in Russian schools is compulsory. All school education in our country is free of charge.

After finishing the ninth form students may leave school and begin their working career or they may continue their education in some specialized secondary educational establishments acquiring different professional skills. Those who stay on at school move to the last step – secondary school and become tenth- and eleventh-form students. The curriculum of the final school years provides for deeper learning the subjects of the previous course and some new disciplines. The learning process is completed with the common state examination in mathematics and Russian and some other subjects at the choice of the student. As a rule, schoolchildren choose those sciences which are necessary for admitting to the

University.

2. Here are some proverbs, sayings and quotations about learnings and education. Translate them. What proverb or quotation would you choose as a motto of your life?

1. Education is a gift that none can take away.
2. If you are not willing to learn, no one can help you; if you are determined to learn, no one can stop you.
3. To know everything is to know nothing.
4. A child without education is like a bird without wings.
5. Educating the mind without educating the heart is no educating at all. (*Aristotle*)

5. Прочитайте, переведите текст и выполните к нему ряд упражнений:

1. Read and translate the text

Beyond Our Dreams!

From my point of view our college is modern and well-designed. It is four-storeyed building with a sports ground behind it. I really think it is the best educational institution in Moscow. We even have an inside swimming pool!

On the ground floor there are the classrooms for the first-year students, workshops and a library. There are all kinds of tools and machines in the workshops. In the library two librarians help students to find the books they need. In the reading room there are laptops which we can use during the breaks and after classes.

Our canteen is spacious, light and clean. We have our meals there.

The physical training lessons take place in the gymnasium and the swimming pool. We like to go there even after the lessons. To the left of the gym there is a hall and a staircase. The staircase leads to the first floor.

The classrooms are well-equipped. Each room has a teacher's table, student's desks, a board, a computer and a multimedia projection unit. There are special classrooms for Chemistry, Physics, Biology, History, Geography, English and Russian. My English classroom is on the second floor. It has three big windows. There are lots of potted plants on the window sills, and we take good care of them. The board in our classroom is magnetic. We write with markers on it and attach our projects to it with magnets. Next to the board there are maps of Russia and Great Britain, various grammar tables and charts. There is a computer in the right-hand corner. We often listen to original English texts, songs and watch films on a big screen which make our lessons interesting.

I like my college. It provides us with everything to help us become good specialists.

2. Are the statements true or false? Correct the false ones.

1. There is an indoor swimming pool in the college.
2. All the classrooms are on the first floor.
3. The classrooms are the same.
4. The classrooms are poor-equipped.
5. We write with chalk on magnetic board.

6. Прочитайте, переведите, разыграйте диалог и выполните к нему ряд упражнений:

1. Read and translate the dialogue

Teacher: And here is the programme for the course. The classes are organized in three sessions. Session A starts at 9:00 am and focuses on speaking and listening. At 10:30 we stop for a coffee break and then gather again at 11:00 in this classroom to start session B.

Boris: And what do we do in Session B?

Teacher: We do all sorts of reading and writing activities. We have reading exercises and story-writing workshops.

Boris: When do we have a lunch break?

Teacher: Every day after Session B there is a one-hour lunch break from 12:30 pm. In the afternoons we participate in various other activities: on Mondays we watch films, on Tuesdays we read magazines and newspapers in the library, on Wednesdays we have guided tours round the city, and on Thursdays and Fridays we just gather in the café to talk about interesting topics. Every day we finish at 3 pm.

Boris: And what are we going to do at weekends? Are there any special arrangements? Or are we free to do whatever we want?

Teacher: We usually go on excursions.

2. Find the words with the following meanings:

1. A subject that people talk or write about
2. a meeting, at which people try to improve their skills by discussing their experiences and doing practical exercises
3. things, that people do in order to achieve a practical aim
4. to give special attention
5. a period of time used for a particular activity, especially by a group of people
6. a period of time when you stop working in order to rest, eat etc.
7. plans and preparations
8. a series of actions which are designed to achieve something important

3. Choose questions you could ask to get these answers

| | |
|---|---|
| a) Is she going to pay for her education? b) Are they going to pay for their education? c) Is she going to pay for their education? | 1. No, they have to finance their own studies. |
| a) Till what age do pupils stay at schools? b) Till what age do students stay at colleges? c) Till what age do students stay at higher schools? | 2. It's sixteen, but a lot of children stay on until eighteen. |
| a) Will you revise this theme tomorrow? b) Are you ready for your exam? c) Have you been working hard last night? | 3. Well, I've been up all night revising for an exam. |
| a) Do you prefer to study at the college or at the university? b) Do you like to study at the college? c) Do you study at the college? | 4. There isn't much difference; it's just that the courses are more practical here. |
| a) Why did not you come at the party last week? b) Why won't you come at the party next week? c) Why will you come at the party next week? | 5. Because I was ill. |
| 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ | |

7. Выполните лексико-грамматические упражнения:

1. Fill in the gaps using the words given below. Use each word only once
your, a fee, compete, higher, charge, students, expensive, varies, universities, grants

- What about _____ education the USA? Is it _____ ?
- Rather. Many _____ receive financial support from parents or relatives.
- Can students go to the university free or _____ ?
- Everyone must pay _____. The amount _____ from state to state. However, each university offers a number of _____ to deserving students.
- Are they given only by _____ ?
- No. Grants come from different sources. You have to _____ to get your grant and show _____ academic achievement.

2. Translate the following sentences from Russian into English.

1. Образование можно разделить на два вида: неофициальное и официальное. 2. Люди получают неофициальное образование в течение их повседневной жизни. 3. Иногда люди по своей собственной инициативе учатся различным навыкам или получают информацию о чём-нибудь. 4. Можно также получить неофициальное образование в различных школах, колледжах, университетах. 5. Учащиеся должны регулярно посещать школу, приходить вовремя. 6. Они также должны сдавать экзамены. 7. В большинстве стран система образования включает как общее, так и профессиональное образование. 8. В большинстве стран общее образование можно получить в начальных и средних школах. 9. Целью профессионального образования является подготовка обучающихся к получению профессии.

8. Прочитайте, переведите текст и выполните к нему ряд упражнений:

1. Make a summary of the text using the following phrases.

1. The title of the text is ...
2. The text is about..... The text deals with...
3. The text covers such points as....first.....second.....third....
4. It should be underlined that.....
5. In conclusion, I may say that...
6. To my mind.....In my opinion.....

Moscow State University

The university was established on January 25, 1755 by a decree of Russian Empress Elizabeth. January 25 is still celebrated as the Students' Day in Russia. Originally it was allocated in the Principal Medicine Store on the Red Square, and then the university was transferred by Catherine the Great to the present neoclassical building on the other side of the Mokhovaya Street. In 1940 the university was renamed in honour of its founder Mikhail Lomonosov.

At present the main faculties are situated on Vorobjevy Gory. The building was designed by architect Lev Vladimirovich Rudnev. The main building of Moscow State University was by far the largest. It was also the tallest building in Europe at that time. The central tower (240m and 36-stories high) was flanked by four huge wings of student and faculty accommodations. It contains a total of 33 kilometers of corridors and 5,000 rooms. The star on the top is large enough to provide a small room and a viewing platform; it weighs 12 tons.

There are a lot of faculties now, such as Faculty of Mechanics and Mathematics, Faculty of Physics, Faculty of Chemistry, Faculty of Psychology, Faculty of Foreign Languages, etc.

2. Answer the questions

1. What educational institution do you study?
2. When was it founded?
3. Where is it situated?
4. What departments are there in your institution?
5. What will your future profession be?
6. What subjects do you learn?
7. Do you live with your parents or in the hostel?

9. Прочитайте, переведите, разыграйте диалог и выполните к нему ряд упражнений:

1. Read and translate the text.

Cambridge

The university is like a federation of colleges. It arranges the courses, the lectures and the examinations, and awards the degrees. The universities of Oxford and Cambridge each have over 10000 full-time students. Oxford is older than Cambridge, more philosophical, classical and theological. Cambridge, on the other hand, is more scientifically based. But in many respects (especially their prestige and wealth) they look very alike; therefore they are often referred to collectively for convenience as Oxbridge. They are sometimes called “two intellectual eyes of Britain”. Admission to the universities is based on the old tribal patterns which guide boys from traditional schools to traditional universities. Candidates to Oxford and Cambridge are largely self-selected, much influenced by parents, school-friends and family background.

Cambridge started during the 13th century and grew steadily, until today there are more than twenty colleges. Most of them allow visitors to enter the grounds and courtyards. The most popular place from which to view them is from the Backs, where the college grounds go down to the River Cam.

The oldest college is Peterhouse, which was founded in 1284, and the most recent is Robinson College, which was opened in 1977. The most popular is probably King’s, because of its magnificent chapel. Its choir of boys and undergraduates is also very well known.

The University was exclusively for men until 1871 when the first women’s college was opened. Another was opened two years later and a third in 1954. In the 1970s, most colleges opened their doors to both men and women. Almost all the colleges are now mixed, but it will be many years before there are equal numbers of both sexes.

Every year, thousands of students come to Cambridge from overseas to study English. To the North of this ancient city is the modern face of the University – the Cambridge Science Park, which has developed in response to the need for universities to increase their contact with high technology industry. It was established in 1970 by Trinity College, which has a long scientific tradition going back to Sir Isaac Newton. It is now home to more than sixty companies and research institutes.

The ideas of “science” and “parks” may not seem to go together naturally, but the whole area is in fact very attractively designed, with a lot of space between each building. The planners thought that it was important for people to have a pleasant, park-like environment in which one can work.

2. Answer the questions in writing.

1. How does Oxford differ from Cambridge? What is common?
2. What is the most popular place to view the grounds and courtyards?
3. How is the oldest college called?
4. Why is King’s the most popular college?
5. When did colleges become mixed for men and women?

6. Why is the Cambridge Science Park so important?

7. What does the Park contain now?

Практическая работа 2. «Защита окружающей среды. Environment protection».

Цель: изучить лексику по теме «Защита окружающей среды. Environment protection», повторить грамматический материал.

Содержание работы: тексты для чтения по данной теме, упражнения на усвоение и закрепление лексико-грамматического материала.

Задание: прочитать, перевести тексты, выписать и выучить новые лексические единицы, выполнить ряд предложенных упражнений на закрепление лексики и грамматического материала.

1. Изучите лексический материал по теме:

| | |
|----------------------------|-------------------------------|
| environment | окружающая среда |
| environment protection | защита окружающей среды |
| ecology | экология |
| to be concern about | беспокоиться о чём-либо |
| to protect our planet | защищать нашу планету |
| to pollute | загрязнять |
| air pollution | загрязнение воздуха |
| water pollution | загрязнение воды |
| natural resources | природные ресурсы |
| destruction | разрушение, уничтожение |
| plant | пагубный |
| nuclear waste | ядерные отходы |
| to harm | причинять вред |
| littering | засорение |
| to recycle | перерабатывать |
| to degrade | разрушаться, распадаться |
| litter | мусор |
| acid rain | кислотный дождь |
| species | вид |
| to disappear | исчезать |
| to forecast | предсказывать |
| garbage | отбросы |
| greenhouse effect | парниковый эффект |
| on the brink of extinction | на грани исчезновения |
| to destroy the ozone layer | разрушать озоновый слой |
| global warming | глобальное потепление |
| bad breath | выхлопной газ |
| to put trash into | сбрасывать мусор в |
| to get contaminated | быть отравленным |
| harmful interference | вредное воздействие |
| to absorb smth | поглощать |
| to pump waste gases | выбрасывать отработанные газы |

| | |
|--------------------------|----------------------------------|
| to lead to forest damage | привести к повреждениям |
| water shortage | нехватка воды |
| universal concern | всеобщая забота |
| area | область |
| bring about | вызывать |
| circumstances | обстоятельства |
| effort | усилие |
| evident | очевидный |
| growth | рост |
| mankind | человечество |
| purpose | цель, назначение |
| reach | достигать |
| solve | решать |
| success | успех |
| joint efforts | совместные усилия |
| take measures | принимать меры |
| good will | добрая воля |
| community | сообщество |
| worry | беспокоиться |
| suffer | страдать |
| face | лицо, сталкиваться |
| purifying system | очистительная система |
| remote area | отдаленный район |
| to purify | очищать |
| urban | городской |
| carbonic gas | углекислый газ |
| devastate | опустошать |
| diversity | разнообразие |
| ecosystem | экосистема |
| educe | выделять (хим.) |
| evaporation | испарение |
| oxygen | кислород |
| replenish | восполнять |
| transparent | прозрачный |
| fossil | ископаемый |
| carbon dioxide | диоксид углерода, углекислый газ |
| nitrous oxide | окись азота |
| halocarbons | хлоруглероды |
| heating effect | эффект нагревания |
| net effect | суммарный эффект |

2. Выполните лексико-грамматические упражнения:

1. Read international words transcribe and translate them

Global, resources, problem, territory, oceanic, situation, atmosphere, process, climate, balance, immune system

2. Unscramble the following words

ortfef _____ gebagar _____

geshtroa _____ tesaw _____
 cesresruo _____ lerecyc _____
 owthgr _____ astrofce _____

3. Find the definition for each term

- | | |
|---------------|---|
| 1. pollution | a) the act of keeping something safe by guarding or covering |
| 2. growth | b) the human race, both men and women |
| 3. standpoint | c) a group of people living together and or united by shared interests, religion, nationality, etc. |
| 4. mankind | d) the action of making something dangerously impure |
| 5. protection | e) a position from which things are seen and opinions formed |
| 6. community | f) increase in numbers or amount |

1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____

4. Translate the sentences

- The bigger the cities are, the greater the pollution is.
- The more we study nature, the more we know about it.
- The more automobiles appear in the streets, the worse the air in the cities is.
- The nearer the earth is, the denser the atmosphere.
- The quicker we joint our efforts in protecting the environment, the quicker the ecological problems are solved.
- The stronger the wind, the harder the conditions of work for weather observers.

5. Study the models. Read and translate the words

Model: глагол + *-ment* = существительное

to environ- окружать environment- окружение
 to enroll- _____ enrolment - _____
 to develop - _____ development - _____ to achieve -
 _____ achievement _____ to move-
 _____ movement - _____

Model: префикс *-re* (повторность действия)

renew - обновлять, восстанавливать
 renewal - восстановление
 renewable - восстанавливаемый, восстанавливающийся
 rebuild _____
 remake _____
 reuse _____
 reorganize _____

6. Make possible word pairs

- | | |
|-------------|--------------|
| 1. air | a) rain |
| 2. polluted | b) of nature |
| 3. acid | c) bottle |
| 4. balance | d) water |

- | | |
|-----------------|---------------|
| 5. plastic | e) pollution |
| 6. global | f) spills |
| 7. drinking | g) transport |
| 8. public | h) water |
| 9. to protect | i) warming |
| 10. bad | j) breath |
| 11. greenhouse | k) shortage |
| 12. water | l) protection |
| 13. environment | m) effect |
| 14. oil | n) our planet |

1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ 7. _____

8. _____ 9. _____ 10. _____ 11. _____ 12. _____ 13. _____ 14. _____

7. Make pairs of synonyms

- | | |
|---------------|------------|
| 1. tremendous | a) advance |
| 2. epoch | b) some |
| 3. realize | c) great |
| 4. several | d) make it |
| 5. work | possible |
| 6. progress | e) era |
| 7. fields | f) area |
| | g) job |

1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ 7. _____

8. Fill in the correct verb from the list:

look after, create, cut down, breathe, improve, causes, hunt.

- The government should _____ a law to ban cars.
- Logging companies _____ too many trees.
- We must _____ our planet before it's too late.
- We can't _____ without air and water.
- The government wants to _____ a park where endangered species can live safely.
- Heavy traffic _____ a lot of air pollution.
- Many people _____ endangered species for their fur.

9. Give all forms of the verbs below and translate them

Grown _____
 Stand _____
 Dealing _____
 Brought _____
 Knew _____
 Making _____
 Send _____
 Found _____
 Thought _____
 Spending _____

10. Mark the tense-forms of the verbs and translate the sentences

- Water and air are becoming more and more polluted. (_____)
- Measures have been taken to save the lake Baikal.(_____)

3. The situation of the lake Baikal remains very serious. (_____)
4. Much attention has been paid at present to the development of international scientific contacts.
(_____)
5. Science has become a leading factor in the progress of mankind. (_____)

11. Make the indicated forms

- to increase (Present Perfect) _____
 to remain (Past Simple) _____
 to worry (Present Continuous) _____
 to deal with (Future Simple) _____

12. Put the verbs into correct tense-forms

1. If Peter (have) more money, he (buy) a new car.
2. What (you do) if you (see) a road accident?
3. Where (you live) if you (have) a choice?
4. If Caroline (come) late for dinner, her mother (be) angry.
5. If Nick (study) hard, he (get) good marks.
6. Where (you go) if you (can take) a week's holiday?
7. If Julie (speak) better English, she (find) a better job.
8. If my boss (invite) me to lunch, I (accept).
9. When I (finish) my work, I (tell) you.
10. What (happen) if you (miss) your flight?

13. Translate the sentences and define the tense-forms of the verbs

1. As long as you are working here, we'll have a rest.
2. I'll have a talk with you after I've done my work.
3. They'll come before the dinner starts.
4. The students had been doing translation since the lesson began.
5. What were you doing when I came in?
6. I gave the books to her after I had read them.
7. The porter dropped the box as he was bringing in it.
8. How they managed to do it was not clear.
9. Whether the students can do this work is the main problem.
10. That they have known about the plan seems evident.
11. As soon as I find you things, I'll let you know.
12. We had already reached the village when it began raining.
13. They went for a walk after they had finished the work.

14. Use the correct tense - forms of verb *to study* according to the circumstances

1. Our government _____ data on the land, the forest and the air on today's meeting.
2. Our government _____ data on the land, the forest and the air every year.
3. Our government _____ data on the land, the forest and the air tomorrow morning.
4. Our government _____ data on the land, the forest and the air last month.
5. Our government _____ data on the land, the forest and

the air by this Friday.

15. Fill in the gaps with the words and word combinations in italics

Energy-saving, a part of it, air pollution, oxygen, breathe, countryside, movements, take care, extinct and endangered, deforestation.

1. People should live closer to nature because we are
2. Many people prefer to live in the
3. The big city is always synonymous with high from vehicles or industry.
4. People can't live without
5. I would never cut down trees, they let us
6. Seventy per cent of land animals and plants live in forests, and many cannot survive the That destroys their homes.
7. Land degradation leads to an increasing number of animals.
8. To save our planet we must of it.
9. The least we can do is try and adopt some methods.
10. Our company supports ecological organizations and

16. Rewrite the sentences in indirect speech (Study the grammar: The Sequence of tenses)

1. The reporter noted: "There is a serious lack of resources available to us now."
2. They admitted: "The earth is now overpolluted."
3. Anna said: "To ride a bike is good for the environment and great for your health"
4. Our teacher explained to us: "Many chemicals destroy the ozone layer because they interact with ozone."
5. A famous ecologist said: "The use of nuclear energy has led to the threat."
6. I asked myself: "What are the ingredients of these cleaning products?"

17. Put the verbs in the correct form.

1. Elena is saying that she _____ (to go) to the country every weekend.
2. She has just told us that they _____ (already, to build) the recycling plant.
3. I remember that you _____ (to promise) to send the invitations by 12 o'clock.
4. We thought they _____ (must) use new farming technologies.
5. Everyone knew that the conference _____ (to start) next Monday.
6. They felt sure they _____ (can) suggest an excellent solution to this problem.
7. From the latest reports we have learned that around 40,000 African elephants _____ (to be) killed each year.
8. The manager didn't know that his boss _____ (to go) on business trip.
9. The seeds grew well because the farmers _____ (to dig) the soil well.
10. Experts said that the effect of global warming _____ (to increase) desert area and _____ (to raise) sea levels.

18. Put the verbs in brackets into the correct form

1. If people _____ (not/drop) litter on beaches, our beaches would be much cleaner.
2. If people _____ (stop) using aerosols, it would help environment.
3. If hunters stopped killing so many tigers, they _____ (not/be) an endangered species.
4. If people _____ (not/use) so much paper, there would be more rainforests.
5. If people shared their cars, there _____ (be) fewer cars on the roads.

19. Put the verbs in brackets in the correct form.

1. If I _____ (not to take) a taxi, I _____ (to miss) the train.
2. If it _____ (to be) sunny tomorrow, we _____ (to go) to get a tan.
3. If I _____ (to have) time tonight , I _____ (to finish) reading this book.
4. If you _____ (to work) at the weekend, I _____ (to pay) you well.
5. If you _____ (to ask) me for a help, I _____ (to help) you at once.
6. If he _____ (to finish) the work this week, he _____ (can) go on holiday.
7. You _____ (to pass) the exam unless you _____ (to work) hard.
8. If she _____ (to phone) me, I _____ (to tell) her everything about it.
9. If I _____ (to be) in your shoes, I _____ (to spend) all the time in a gym.
10. If my brother _____ (to come) to visit me on Sunday, we _____ (to go) on a picnic.

20. Make the sentences

1. Mathematics, must, every, is, well, institutes, studied, technological, at all, because, engineer, know, it. _____
2. Subject, it, article, is, the, interesting, most, on, this. _____
3. Problems, it, can, has, global, become, evident, that, solved, ecological, be, only, on, the, level. _____
4. The, to, use, of, the, new, possible, number, equipment, made, it, minimize, the, of, workers. _____
5. It, that is, situation, industrialization, serious, is, making, ecological, very. _____

21. Make questions using the words below

1. The British, like many other Europeans, are becoming more and more worried about their environment.
What _____
2. The number of cars and lorries is growing all the time.
How many _____
3. People living near airports suffer from the noise of increasingly larger and more powerful jet airliners taking off and landing.
What _____
4. Water pollution has become a serious problem in many British rivers.
Where _____
5. The air in many towns and cities is being polluted by traffic and industry.
What _____

22. Fill in the gaps with the words in the box.

Greenpeace, oxygen, jungle rain forests, ecology, breathing, nature, wildlife, flora and fauna.

Who can save our planet?

People depend on the planet, on the Sun, on animals and plants around them. People must take care of the Earth. Our ... becomes worse and worse with every new day. People destroy and cut down trees to make furniture. They forget that they can't live without trees and plants, because they fill

the air with Oxygen is necessary for our We can't stay indifferent to these problems. There are a lot of special organizations which are trying to save our nature. One of them is Their aim is to help To survive, to rescue animals, to save ... , which are in danger of destruction. We must find the right way to save our land, people and animals. We must take care of ... because we are a part of it.

23. Construct sentences and translate them

- | | |
|---|---|
| 1. If I came later | a) he wouldn't have missed the train . |
| 2. If he had known the time-table | b) I had known this before. |
| 3. It would be better | c) I would be late for the lesson. |
| 4. I wish | d) if you learned to drive a car. |
| 5. I would have sent a letter to you | e) if I had known your address. |
| 6. If I had met you yesterday | f) I would have helped you |
| 7. If I were in your place | g) I would have told you about it |
| 8. If I had known that you needn't help | h) I wouldn't buy the tickets beforehand. |
1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ 7. _____ 8. _____

3. Прочитайте, переведите текст и выполните к нему упражнение:

1. Read and translate the text

The Protection of Nature

Nature is the source of Man's life since ancient times. People lived in harmony with environment for thousands of years and thought that natural riches were unlimited. The development of civilization increased man's harmful interference in nature. Large cities with thousands of smoky industrial enterprises pollute the air we breathe and the water we drink. Every year world industry pollutes the atmosphere with about 1,000 million tons of dust and other harmful substances. Many cities suffer from smog. Beautiful old forests disappear forever. Their disappearance upsets the oxygen balance. As a result some rare species of animals, birds, fish and plants disappear forever, a number of lakes and rivers dry up. The pollution of air and destruction of the ozone layer are the results of man's attitude towards Nature. The protection of the environment is a universal concern. We must be very active to create a serious system of ecological security.

2. Answer the questions

1. What is the main reason of ecological problems?
2. What are the main ecological problems?
3. Why should the ecological problems be a universal concern?
4. What steps are taken to fight ecological problems?

4. Прочитайте, переведите текст и выполните к нему упражнения:

1. Read and translate the text

Greenhouse Effect

Greenhouse effect is the term for the role the atmosphere in warming the earth's surface. The atmosphere is largely transparent to incoming short-wave solar radiation, which hits the earth's surface. Much of this radiation is reflected back by gases such as carbon dioxide, methane, nitrous-oxide and ozone in the atmosphere. This heating effect is at the root of the theories concerning global warming. The amount of carbon dioxide in the atmosphere has been increasing by 0,4 per cent a year because of the use of fossil fuels such as oil, gas, and coal. The cutting of tropical forests has also been a contributing factor in the carbon cycle. Other gases that contribute to the greenhouse effect, such as methane and halocarbons, are increasing even faster. The net effect of these increases could be a worldwide rise in temperature, estimated at 2 to 6 degrees C (4 to 11 degrees F) over the next 100 years. Warming of this magnitude would alter climates throughout the world, affect crop production, and cause sea levels to rise significantly. If this happened, millions of people would be badly affected by flooding.

2. Answer the questions

1. How is the surface of the Earth heated?
2. What gases reflect heat back in the atmosphere?
3. Why is amount of carbon dioxide in the atmosphere increasing?
4. What will be a worldwide rise in temperature in the next 100 years?

3. Translate into English

1. Чтобы облегчить свою жизнь, люди изобретали машины и инструменты.
2. Люди озабочены загрязнением воды и воздуха.
3. Суда, сбрасывая отходы в океан, загрязняют воду.
4. Рыба в загрязненной воде умирает или становится ядовитой.
5. Машины и фабрики загрязняют воздух и разрушают озоновый слой Земли.
6. Кислотный дождь нарушает баланс в природе.
7. Люди должны научиться защищать землю и воздух от загрязнения.

5. Прочитайте, переведите текст и выполните к нему упражнения:

1. Read and translate the text

Animals in Danger

At present a thousand species are almost extinct because we hunt them or damage their environment. Here are some of the animals in danger. The World Wildlife Fund is fighting to save them.

The French priest, Pierre David, was the first European to see a giant panda in China in 1869. Today the giant panda is one of the rarest species in the world. There are perhaps only 300 of them left. It likes to live in bamboo forests, but these are slowly disappearing.

The giant panda can live for up to 20 years, and a big male can weigh 150 kilograms. A new-born panda weighs only 125 grams and measures less than 15 centimeters. The female panda is 800 times heavier than baby at birth and the baby is 3-4 months old before it can crawl. It is pinkish-white at birth without dark markings and the female black eyes.

Fortunately the Chinese government now protects the panda, so it should survive. The World Wildlife Fund uses the panda as its symbol.

The story of the whale has been another great wildlife tragedy. Some of these are the largest animals that have ever lived. A blue whale can weigh over 125 tonnes. Whales are mammals, not fish

and they are highly intelligent. They send messages to each other over very long distances with high-pitched sounds.

Whales are now in great danger because hunters have killed too many of them. Modern ships and machines have made it easy to hunt these animals, and they are often killed in a very painful and cruel way. Some countries have agreed to protect the whale, but others have not and still kill too many.

2. Find the English words and expressions in the text

Один из редких видов в мире, медленно исчезают, большая панда, киты – это млекопитающие, отправлять сообщения высокочастотными звуками, часто убивают очень жестоким способом, сейчас в большой опасности, согласились защищать китов, Всемирный фонд дикой природы, разрушать их окружающую среду.

3. Are the statements true or false? Correct the false ones.

1. The World Wildlife Fund is an organization fighting to save animals in danger. _____

1. It uses the whale and the panda as its symbols. _____

2. At present about ten hundred species are almost extinct. _____

3. It happens because people hunt them. _____

4. Today the panda is one of the rarest species in the world. _____

5. Whales and giant pandas are in great rare. _____

6. A whale is a giant fish a blue whale can weigh over 125 tones. _____

7. Whales communicate with each other with high-pitched sounds. _____

8. Fortunately the Chinese government now protects whales. _____

9. Nevertheless, other countries still kill too many of them. _____

6. Прочитайте, переведите текст и выполните к нему упражнения:

1. Read and translate the text

Forests – Ecosystems or Green Gold?

The forest is a basis for the existence of many organisms. The forest protects the Earth from erosion, prevents evaporation – in this way it feeds rivers and serves home for animals. The forest is not only trees. Under the branches of higher trees, there are lower trees and then - grass, mushrooms, etc. In this way, the density of organisms and their diversity is very high.

Forests are often called “the lungs of the planet”. As we know, when man breathes, he consumes air containing oxygen and gives out air containing carbonic gas. So the amount of carbonic gas increases. This gas is also educed in the process of burning. But there is a way back. During the photosynthesis, carbonic gas turns into oxygen. It’s the forests that do the main part of work turning CO₂ into O₂. This explains their name “the lungs of the planet”.

In his activity, man needed timber for building and warming his home and fields for growing crops, That’s why for hundreds of centuries forests were disappearing and the ecological balance was being changed.

For the first civilizations of people, it was difficult to realize the possible danger. Recently the paleontologists have found out that ecological crises happened in ancient times. One of the tribes of the South American Indians – Anasasi – abruptly left its place of living with roads and irrigation systems around 1200 AD. It happened because they had destroyed forests so violently that the latter didn’t replenish on the devastated areas. Similar problems appeared in the 20th century. The only difference was that people started thinking the situation over. That’s when ecology appeared.

It's extremely important to take care of forests. If a forest is destroyed because of commercial interests, there will be little water and the erosion will start on the slopes. Thus, the productivity of planes will decrease. This shows how important forests are. For the sake of life on the Earth there must be large areas of natural ecosystems.

Our country does much to preserve forests. In 1942, the so-called "forests of the first group" were created. It is illegal to cut them. Still, much depends on the people. Because of them forest fires take place. It will take one hundred years to grow the similar forest in the same place. It's our task to save natural resources because we are a part of nature, the most reasonable and responsible part. Only if we take care of the Earth, people who'll live after us will have a clean planet, fit for healthy living.

2. Answer the following questions to the text.

1. What does the forest do for our planet?
2. Does the forest consist only of trees?
3. Why are forests often called "the lungs of the planet"?
4. What was commercial interest in forest? Did nature suffer because of the activity of man?
5. Were there ecological crises in ancient times? Give an example from the text.
6. When did ecology appear?
7. What happens if forests are destroyed?
8. Does our country preserve forests? What is done for their protection?
9. Will our children live on a clean planet if we take care of nature? What will happen in reality, in your opinion?

3. Continue the following statements.

1. The forest protects the Earth from erosion ...
2. Under the the branches of higher trees, there are ...
3. When man breathes, he ...
4. During the photosynthesis ...
5. In his activity, man needed timber ...
6. Recently scientists have found out that ecological crises ...
7. If the forest is destroyed because of commercial interests ...
8. Our country protects forests: in 1942 ...
9. Only if we take care of Earth ...

4. Write an essay on one of the following topics.

1. The ecology of Russia.
2. The protection of Lake Baikal.
3. Cutting forests: profitable business or danger for the ecosystem?

Практическая работа 3. «Средства коммуникации. Means of communication».

Цель: изучить лексику по теме «Средства коммуникации. Means of communication», повторить грамматический материал.

Содержание работы: тексты для чтения по данной теме, упражнения на усвоение и закрепление лексико-грамматического материала.

Задание: прочитать, перевести тексты, выписать и выучить новые лексические единицы, выполнить ряд предложенных упражнений на закрепление лексики и грамматического материала.

1. Изучите лексический материал по теме:

| | |
|----------------|--|
| hardware | аппаратное обеспечение |
| system board | системная плата |
| power | сила, мощность, энергия |
| keyboard | клавиатура |
| mouse | 1) мышь 2) мышь (устройство указания) |
| to process | обрабатывать |
| processor | процессор |
| drive | дисковод |
| driver | программа управления устройствами |
| case | случай, коробка, футляр, кожух |
| content | содержание |
| key | печатать |
| type | клавиша |
| manual | справочник, руководство, ручной |
| software | программное обеспечение |
| application | применение |
| slide | скользить |
| remote control | пульт дистанционного управления |
| paste | вставлять, копировать |
| switch | включать |
| screen | экран |
| pointer | указатель, указка |
| button | пуговица, кнопка |
| display | выставлять, показывать |
| character | символ |
| dot | точка |
| sharp | острый, резкий, точный |
| resolution | разрешающая способность |
| plug in | вставлять штепсель в розетку |
| strain | натяжение, напряжение, нагрузка |
| reduce | уменьшать, понижать |
| adjust | приспосабливать(ся) |
| screen saver | режим отключения экран при паузах в работе |
| drag | перетаскивать |
| click | щелкать |
| circuit | схема, цепь |
| install | устанавливать |
| erase | стирать |
| path | путь |

| | |
|------------------------------|---------------------------------|
| cellular phone, mobile phone | сотовый телефон |
| cellular communication | сотовая связь |
| message | сообщение |
| mobile network operator | оператор сотовой связи |
| gadget | электронное устройство |
| Multimedia Messaging Service | служба мультимедийных сообщений |
| Short Message Service | служба коротких сообщений |

2. Выполните лексико-грамматические упражнения:

1. Read international words transcribe and translate them

icon, adapter, contract, format, supercomputer, general, photon, graphics, disk

2. Unscramble the following words

Cucirit, aplisdy, tercracha, tireonluso, numaal, llintsa.

3. Underline the correct spelling

- устройство – divise, device, divice, divese, dyvice
- выводить на печать – prynd, prind, print, printe, prinde
- время – таум, taim, time, tyme
- дата, число – deit, deyt, dete, date, dat
- файлы – failz, fails, faylz, files, filez

4. Find the definition for each term

- | | |
|----------------|--|
| 1. application | a) programs, that make a computer work |
| 2. hardware | b) a device used to point or drag some elements on the screen, to start the computer program |
| 3. resolution | c) the putting to use |
| 4. software | d) the characteristics of the monitor |
| 5. mouse | e) machinery which makes up the computer |

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

5. Make possible pairs of words

- | | |
|-------------------|-----------------|
| 1. to control | a) problems |
| 2. to solve | b) operations |
| 3. to insert into | c) parts |
| 4. to imagine | d) information |
| 5. to connect | e) data |
| 6. to remove | f) calculations |
| 7. to perform | g) units |
| 8. to house | h) life |
| 9. to store | i) machine |
| 10. to issue | j) commands |
1. _____ 2. _____ 3. _____ 4. _____ 5. _____
6. _____ 7. _____ 8. _____ 9. _____ 10. _____

6. Complete the sentences

1. Press _____ | a) the key

| | |
|-----------|-----------------|
| | b) copied |
| | c) copy |
| 2. Insert | a) prompted |
| | b) rename |
| | c) the diskette |
| 3. Check | a) the disk |
| | b) enter |
| | c) display |

1. _____ 2. _____ 3. _____

7. Translate into Russian

1. The computer is already on the desk, but the keyboard has not been unpacked yet.
2. Usually it takes some time to learn to use a mouse.
3. Thanks to computers we can process information millions times quicker.
4. How many letter keys are there on computer keyboard?
5. Two manuals came with this computer.
6. This remote control needs 4 batteries to power it

8. Write Tense & Voice and translate the forms below

1. is sliding _____
2. has reduced _____
3. typed _____
4. had processed _____
5. will adjust _____
6. operates _____
7. is provided _____
8. was processed _____
9. will be typed _____
10. were pressed _____

9. Use Modal Verbs instead of their equivalents in the forms below

1. was able to switch _____
2. has to be provided _____
3. is able to adjust _____
4. is to adapt _____
5. were allowed to type _____

10. Translate the following pairs into Russian

1. was to switch – was switching _____
2. will have to display – will display _____
3. is able to install – is installed _____
4. had to slide – slid _____
5. will be to process – will be processed _____

11. Write the correct auxiliary verbs

1. _____ Windows tell your computer what to do? – Yes, it does.
2. _____ you use these programs interchangeably? – Yes, I shall.
3. _____ he pasting portions of one document into another one? – Yes, he is.

4. _____ many application programs written to run with Windows? – Yes, they are.
5. _____ they supply their office with necessary equipment? – Yes, they did.
6. _____ anybody been working on that PC? – Yes, we have.

12. Give the full answer

1. Does the monitor allow you to see the results of your work?
2. Must this information be processed and stored?
3. Is that program called Paintbrush?
4. Were our scientists taking part in the research project?
5. Can some programs be difficult to remember?
6. Have they connected the cables at last?

13. Tick the correct translation

1. Files in target drive will be erased.
 - a) Уничтожьте файлы на дискете, на которую ведется записью
 - b) Файлы на дискете, на которую ведется запись, были уничтожены.
 - c) Файлы на дискете, на которую ведется запись, будут уничтожены.
2. Diskette is write-protected.
 - a) На дискете ведется запись.
 - b) Дискета защищена от записи.
 - c) Защитите дискету от записи.
3. Data on disk will be lost.
 - a) Данные на диске потеряны.
 - b) Данные на диске будут потеряны.
 - c) Данные на диске будут уничтожены.
4. Write not completed.
 - a) Не заканчивайте запись.
 - b) Запись не закончена.
 - c) Незаконченная запись.
5. Path not found.
 - a) Найдите путь к файлу.
 - b) Путь к файлу не обнаружен.
 - c) Необнаруженный путь к файлу.

3. Прочитайте, переведите текст и выполните к нему упражнения:

1. Read and translate the text

The Main Parts of the System

There are many hardware pieces in a computer system. Some are: system board, power supply, keyboard, mouse, hard drive, monitor and video card and its drivers.

The case is the large metal box and is the main part of the computer. The case and its contents (power supply, system board, etc.) are called the system unit. The case protects the delicate electronics inside.

The keyboard. You communicate with your computer with the keyboard. With it, you type instructions and commands for the computer, and information to be processed and stored. The instruction manuals for most software applications contain a section describing the functions of each key or combination of keys.

The mouse works by sliding it around on a flat surface. To use the mouse, slide it until the pointer's point is on something, like a button or an icon. Then:

Click - position the mouse pointer over an element and press and release the left mouse button one time.

Double-click - press the mouse button twice without moving the mouse between clicks. Usually you double-click on an icon to start the program.

Drag - position the mouse pointer over an element, press and hold the left mouse button, and drag the mouse across the screen. The pointer moves, dragging the element

The monitor. Your computer is not complete without the monitor, a TV-like device. The monitor displays text characters and graphics. It allows you to see the results of the work going on inside your system unit. The image that you see is made up of tiny dots called pixels. The sharpness of the picture depends on the number and size of the pixels. The more pixels, the sharper the image is. This is called resolution.

2. Fill in the chart

| The part | Its function |
|----------|--------------|
| Mouse | |
| Monitor | |
| Case | |
| Keyboard | |

4. Прочитайте, переведите текст и выполните к нему упражнения:

1. Read and translate the text

Is there an end to the Computer Race?

Today the word "electronics" is in general usage. Millions of people have electron watches. There are a lot of various radio and TV sets and tape-recorders in our houses. In factories and plants we are surrounded with electronically controlled machines and instruments, we are carried by airplanes, ships, trains and cars with built-in electronic devices and satellites circle the globe. In other words, we are living in an electronic world.

And the center of this world is a tiny silicon plate of a few square millimeters, an integrated circuit, or a chip. The integrated circuit is undoubtedly one of the most sophisticated inventions of man, science and technology. It is in the heart of every electronic device and the more tape-recorders, TV sets and computers we need, the more integrated circuits are required.

When we speak about a further development of computers we mean not only quantity, but also high technology and high speed. In the past it took scientists and researchers a whole lifetime to make a few thousand calculations, whereas for a modern computer this task is a matter of a few seconds.

At present computers capable of performing billions of operations a second are required. Supercomputers are different from ordinary computers. The ordinary computer does the computations operation, while the supercomputer operates like a brain: all operations are being done simultaneously. To develop such a computer qualitatively new integrated circuits were required.

2. Answer the questions

1. What is this text about?
2. What new things appeared in people's every day life?

3. What is at the center of all these things?
4. What applications of computers do you know?
5. How does a supercomputer operate?
6. What is the speed of a new supercomputer?

5. Прочитайте, переведите текст и выполните к нему упражнения:

1. Read and translate the text

The Role of Technical Progress

The scientific and technical revolution has changed our lives very much. Computers, mobile phones and other digital devices have entered our everyday life.

The atomic, space and energy age was followed by the age of computers. The tasks which had seemed eternal before have been solved one by one by computers. During the last decade, many fundamental changes occurred because of electronic devices. It is even difficult to imagine social and economic consequences of the microelectronic revolution.

The large use of the computers has influenced our lives in such a way that it was difficult to imagine 15 or 20 years ago. On the one hand, computers have simplified our life greatly. If you typed a text on the typewriter and made a mistake, you had to type the whole page again. Making several copies of the same document used to be a difficult job too. But now it's quite different. Correcting mistakes is easy. Computer also helps us to buy goods, find information, book tickets, make presentations and annual reports, and make difficult calculations. Time is saved for leisure.

Leisure time is also influenced by computer and other periphery devices. You no longer go to music shops – many things are available on the Internet. You needn't write letters to your relatives or friends – you can send an e-mail. And your photo albums are on the computer too.

Computer games are probably also a part of your free time. They became more and more realistic and complicated, and for many people it becomes impossible to tear themselves away. This means that electronic devices such as a computer and TV set are used mostly for entertainment and consume most of the time that could be spent on work, going for a walk and sleeping. Man becomes a slave of the devices which were designed to make him stronger.

Is there a way out? In fact, there is, but many people don't know it and are still slaves. The best decision is not to give these devices a place in your heart. They should do their work. And when you have a rest, prefer real communication to virtual one and living an active life to watching films about crime. Then electronics will be not our lord or enemy but our friend

2. Answer the questions

1. What were the predecessors of the computer age?
2. Do computers make our lives easier and simpler? In what way?
3. What devices became compatible with the computer during the last year?
4. In what way do computer games influence people?
5. Is man a slave of the devices which were designed to make him stronger?

3. Insert the missing words, studying the active vocabulary

Atomic, decade, e-mail, periphery, photo album, relative, tear oneself away, typewriter.

1. _____ helps you to send letters quickly.
2. If there is an interesting programme on TV, it's difficult for a person to _____.
3. During the last two _____, scientific progress and digitization took place.

4. For some people, the computer is an equivalent of the ____: a device for printing and editing documents.
5. Do you have many ____? –Yes, I have parents, grandparents, two sisters and three brothers.
6. I don't buy ____ any more, all my photos are on my computer.
7. The computer is a multifunctional device. So the ____ is that it can be used both for work and for leisure.
8. The ____ age was followed by the microelectronic one.

4. Read, continue and translate the following arguments about computers

1. The atomic, space and energy age was followed by
2. It's difficult to imagine social and economic consequences
3. Computers have simplified
4. The computer helps us to buy goods, find information
5. Leisure time is also influenced
6. You no longer go to music shops
7. You needn't write letters to your relatives
8. The computer and TV set are used mostly for entertainment
9. The best decision is not to give these devices
10. When you have a rest, prefer real communication

5. Read the sentences, point out Participle 1 and Participle II. Give the Russian equivalents. If you have some difficulties, use the grammar reference at the end of the book.

1. When entering the Internet, I always find the required information. 2. If compared with the analog computer, digital computers have other functions. 3. When used, voltage represents other physical quantities in analog computers. 4. While dealing with discrete quantities, digital computers count rather than measure. 5. At the moment our computer systems are inputting, storing, processing, controlling, and outputting data. 6. Combined capabilities of both analog and digital computers belong to hybrid computers. 7. Having finished the research, they analyzed the data obtained. 8. Having translated the programme into the machine language, he put it into the computer. 9. Having been well prepared for the test, postgraduates managed to answer all the questions the tutor asked them. 10. When entering data correctly into the computer system, they avoid the need for further adjustment by a person.

6. Make up your own sentences according to the models.

Model A: *When properly programmed, computers don't err.*

Having been properly programmed, computers don't err.

1. When well regulated, the equipment operates well. 2. When documents correctly filled in, they don't need extra checks. 3. When loaded, the numbers are stored on the platform of storage. 4. When loaded with cargo, cars can move between stations. 5. When moved, the ball located on the bottom side of the mouse turns rollers.

Model B: *A smartphone is a mobile phone that offers a more advanced computing ability.*

A smartphone is a mobile phone offering a more advanced computing ability.

1. A smartbook is a concept of a mobile device that falls between smartphones and netbooks. 2. A smartbook is a gadget that delivers features found in smartphones. 3. BlackBerry is a line of

mobile e-mail that functions as a Personal Digital Assistant (PDA). 4. Twitter is a social and micro blogging service that enables users to send and to read other users' messages called tweets. 5. An i-Phone is a camera phone that includes text messages, visual voicemail, a portable media player, and web browsing facilities.

7. Fill in the blanks to streamline the use of the Participle 1 and Participle II. The words in brackets are given to help you.

1. A computer is ... numbers and orders into memory (to insert). 2. An electronic digital computer is a system ... and ... a very large amount of data (to process, to store). 3. The computer is a system ... numerical computations (to perform). 4. The computer is a device ... instructions with extreme speed (to follow). 5 The numbers and the instructions are ... in the computer memory. (to store) 6. The arithmetic-logical unit is a device ... circuits ... the arithmetic computations (to contain, to perform). 7. The codes ... by computer designers are ... on number of systems (to use, to base). 8. Having been coded the instruction to the central processing unit (to be transmitted). 9. ...the functions of storage units, we controlled the processing unit (to discuss).

8. Make up sentences according to the models to practice the use of the verbals.

Model: *Вам следовало бы прочитать об удивительных свойствах компьютера раньше.*

You should have read about wonderful features of computers earlier.

1. Вам следовало бы заказать это устройство раньше. 2. Ему следовало бы ввести данные в запоминающее устройство раньше. 3. Вам следовало бы раньше рассмотреть эту систему как крупномасштабную цифровую систему. 4. Вам следовало бы знать об этом устройстве раньше. 5. Мне следовало бы проконтролировать эти данные заранее..

6. Прочитайте, переведите текст и выполните к нему упражнения:

1. Read and translate the text

Application of Computers

The use of computers, playing a prominent role in our life, is becoming widespread today. It regards industry, business, education, medicine, just to name a few. As for industries concerned, versatile computers are able to improve the quality of manufactured products and to increase the productivity of industry. Computers are engaged to the control of power stations, plants and refineries. But computers are being used not only in science and industry. Thanks to them, modern medicine can diagnose diseases faster and more thoroughly, while they are becoming valuable medical diagnostic tools.

Also in banking system computers have become indispensable and irreplaceable. Furthermore, architects, designers, and engineers can't imagine their work without computers. Computers form a part of many military systems including communication and fire control. They are applied for automatic piloting and automatic navigation, space exploration.

Moreover computers are widespread in education. Except their classic tasks such as administration and accountancy they are used in process of learning. Firstly, they store enormous amount of data which helps students receive information. Secondly, thanks to special teaching techniques and programmes they enhance cognitive skills of getting and accumulating

knowledge.

These machines are really everywhere and we depend on them. They have become so popular that not knowing how to use those means to be illiterate. Many uses of computers that we cannot imagine at present will become commonplace soon.

Refinery – нефтеперерабатывающий завод;

Disease – заболевание;

Accountancy – бухгалтерский учёт;

To enhance cognitive skills – развивать познавательные навыки;

Illiterate – неграмотный, необразованный;

Commonplace – типичный случай, обычное явление.

2. Agree or disagree with the following statements and add some more information if needed.

1. The role of computers is increasing in our life. 2. Computers are widely used in banking, industry, and medicine. 3. Computers find application in education, providing computer-aided learning environment. 4. Computers can be hardly used in fire control. 5. They are widely used in automatic piloting and navigation. 6. The reach of the computer application is to be increased soon.

3. Make up special questions according to the models, and answer them to streamline your speaking skills.

Model: *That gadget was used as the base for the first computer.*

What was used as the base for the first computer?

1. The electronic device was invented in the 20th century. 2. The first vacuum-tube computer was built at that time. 3. The first vacuum-tube computer was referred to as the first-generation computer. 4. A transistor was used in the second-generation computer. 5. An integrated circuit was used in computers of the first generation.

Model: *Computers can process information.*

What can computers process?

1. Computers can accept information. 2. Computers can perform mathematical and logical operations. 3. The programmer can tell the computers what to do. 4. The programme can also provide the information needed to solve the problem. 5. Computers can keep instructions in their memory.

4. Ask questions and use the words in italics in your answers. The words in brackets will help you.

1. *Electronic computers* are comparatively *modern* invention (what, what kind of). 2. *J. Napier* devised a *mechanical* way to multiply and divide (who, what kind of). 3. *Most computers* have *circuits* for performing arithmetic operations (what, what). 4. *Integrated circuit technology* was used in computers of the third generation (what kind of, what). 5. *Computers* can solve a *series of problems* and make thousands of *logical* decisions. (what, how many, what kind of).

Литература.

Основная литература:

Афанасьева О.В. Английский язык: 11 класс: базовый уровень/ О.В.Афанасьева, И.В. Михеева, К.М. Баранова. -8-е изд., стереотип. – М.: Просвещение, 2023.-199, (1)с.: ил. - (Rainbow English). **30 шт + ЭБС Знаниум**

Дополнительная литература:

Маньковская З.В. Английский язык: учебное пособие/ З.В. Маньковская. - Москва: ИНФРА – М. 2024 – 200 с. (среднее профессиональное образование). **ЭБС Знаниум**
Английский язык в сфере строительства (English for students of Civil Engineering and Construction): учебник/ О.Н.Анюшенкова.- Москва: ИНФРА-М, 2024.-371 с.-(Среднее профессиональное образование). **ЭБС Знаниум**