

Область образования – ИНЖЕНЕРНОЕ ДЕЛО, ТЕХНОЛОГИИ И ТЕХНИЧЕСКИЕ НАУКИ

Тема 1. Современный мир профессий. Проблемы выбора профессии. Роль иностранного языка в вашей профессии

English in Social Science

1 READING Engineering, technology, and technical sciences

a) What difficulties may arise when choosing a career in engineering, technology and technical sciences? Name 2-4 and say if they are relevant for other professions or not?

b) Read the article about engineering, technology, and technical sciences and explain the main idea of the text, using the list of keywords and phrases.

Developing professional opportunities in a rapidly changing world

In today's rapidly changing world, the range of professions has expanded significantly. With the development of technology and globalization, new opportunities for professional activity have appeared. The development of technology, the

growing demand

for specialized skills and the dynamic nature of these industries pose new challenges for beginner specialists.

Choosing a profession in a variety of industries

Plenty of options in such numerous industries as civil engineering, mechanics, electrical engineering and software development can lead to confusion and uncertainty in choosing a career path. Factors such as personal interests, tendencies, employment prospects and expectations of society play a significant role in the process of making a certain decision.

rapidly changing world — быстро меняющийся мир

dynamic nature — динамичный характер

pose new challenges — ставить новые задачи

variety — разнообразие

career path — карьерный рост

employment prospects — перспективы трудоустройства

technical terms and phrases — технические термины и фразы

build the capacity — наращивать/повышать потенциал

contribute — способствовать

smoother — более плавный



Cybernetics



Artificial Intelligence



Laboratory & Engineering



Engineering

The role and importance of foreign languages in the modern world

One of the most important aspects that should not be ignored is the role of foreign languages in the modern globalized world. In the field of engineering, technology and technical sciences, language skills can bring numerous advantages. Firstly, it allows professionals to access a wider range of resources and research materials, allowing them to be aware of the latest developments in their field. The ability to understand and analyze information from various sources can give specialists a competitive advantage. Secondly, it improves communication skills, allowing engineers and technical workers to effectively work together with foreign colleagues, participate in international conferences. The study of technical terms and phrases in a foreign language related to the engineering or technical field can build the capacity of scientists in the workplace and contribute to a smoother exchange of knowledge.

2 SKILLS Profile cases

Do the tasks according to your field of studies.

1. Research the demand for foreign language skills in the engineering and technical industries in 3 countries (Canada, Ireland, Australia). Make a presentation.

The project work should include:

- Overview of the labor market in the engineering and technical industries in each of the three countries.
- Analysis of the demand for foreign languages in these industries in each country.
- Comparative analysis demonstrating the level of demand and proficiency in foreign languages in the engineering and technical industries in Canada, Ireland and Australia.
- Final conclusions and recommendations on the use of foreign languages in these industries in each country.

2. Develop a glossary of technical terms and phrases in English specific to a technical field, no more than 20 words (on paper or electronic media).

The glossary should be posted:

- In paper form: a separate reference book or brochure, which can be distributed among students of the technical field.
- In electronic form: on the website or in the application with the possibility of downloading and use by students of the technical field.