

Код УГПИС – 39.00.00

Тема 5.

Industrial technologies and their impact. Social Sciences.

Sociology and social work

Human and the world of Industrial technology

Task 1. Reading

1. Look at the picture and answer the question:



Can a machine replace a person and why (why not)?

2. Read the article and check your ideas.

A little of HISTORY

FOUR INDUSTRIAL REVOLUTIONS

In the history of humanity, it is customary to distinguish 4 industrial revolutions that changed society beyond recognition.

1 The first occurred back in 1784 due to the invention of the loom and steam engine.

2 The second was in 1870, when humanity learned to use electricity.

3 The third industrial revolution is associated with the automation of production processes and the use of

IT technologies in 1969.

4 And finally, the fourth industrial revolution is going now and means production based on the use of cyber-physical systems and machine-to-machine operation.

Wonderful pros...

Of course, all 4 industrial revolutions brought enormous benefits to humanity. There was a gradual replacement of human labor with machine work. With each subsequent revolution, human “freedom” increased more and more. Production began to be carried out faster, new, more practical, modernized things were created.



***Useful words
and phrases

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and phrases**

... And awful cons

However, just imagine a weaver who weaved carpets all his life and fed his family, a lamplighter whose job was to light the lanterns in the city every evening, a factory worker who was replaced by a machine...

During all revolutions this was a huge shock for people. They were losing jobs at a breakneck pace. They lost their individuality.

The advent of technology put many people out of work as they were replaced by machines. In addition, many problems have arisen. For example,

- not all professions can be replaced by a machine;
- children make fewer and fewer friends and communicate more and more with machines, which is why they have difficulty socializing in society;
- people lead a sedentary lifestyle, which causes an increase in certain diseases...

3. Discuss in groups.

- What other problems arose against the backdrop of the latest industrial revolution? Give the examples.
- Can you remember films, cartoons, books in which the problem of replacing a person with a machine was shown? Name them.

Task 2. Project

*Prepare a presentation in groups (3-5 pupils)
on one of three topics optionally.*

Give a 1,5-2 minutes talk.

- 1) Benefits brought by the contemporary revolution to the society.
- 2) Problems brought by the contemporary revolution to the society.
- 3) Reflection of «machine-human» problems in literature and cinematography.

Remember to say about:

- 1) examples
- 2) impact on people, their life \ individuality \ salary \ families
- 3) what (in your opinion) we can expect in the nearest future