

Код УГПС – 15.00.00 «Машиностроение»

ИНЖЕНЕРНОЕ ДЕЛО, ТЕХНОЛОГИИ И ТЕХНИЧЕСКИЕ НАУКИ

Тема 5. Технический прогресс: перспективы и последствия

Reading

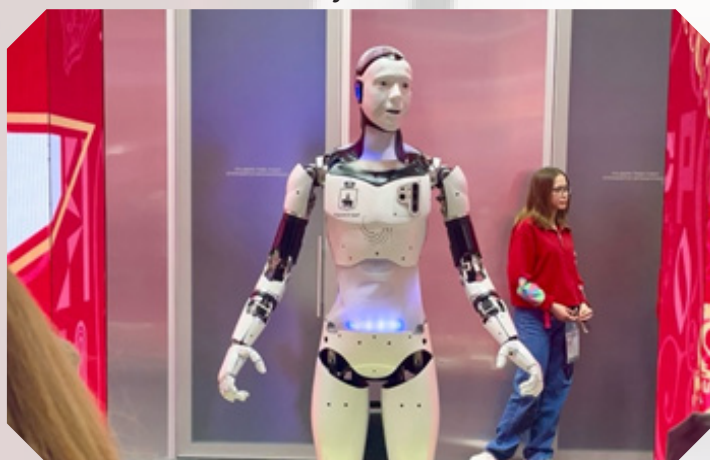
- a) Do you know where you can look at the technological achievements of Russia? Name 1-3 places and say if you have ever visited any of them.
- b) Read the article about the International RUSSIA EXPO.

The International RUSSIA EXPO

On the National Unity Day, the International RUSSIA EXPO was launched in Moscow on the territory of VDNH. The most important achievements of 89 Russian regions are gathered in one place where you can spend time with comfort and benefit. What is interesting, many expositions show the technological development of Russia in a clear and interactive way.

Robot Ardi

Thanks to the robot Ardi presented at the exhibition, the stand of the Perm Region became one of the most visited on the first day of the EXPO. This humanoid robot can do many different things: play, sing, and interact with others. The developers from Perm used unique software with Motion Capture technology that reproduces emotions, facial expressions, and human gestures to create the robot. Just imagine: Ardi can display around 600 microexpressions, such as anger, sadness, joy and many more!



ATOM Electric Car

The Atom company demonstrated the first electric car that was created by Russian specialists from scratch. There are completely no physical buttons in the cabin, but it has a projection display with augmented reality technology on the windshield. You can even play games on the touch screen! In the future, this technology will be popular in the spheres of taxi, car-sharing, and delivery.

In fact, every Russian region has experienced technological progress, which can be seen by visiting the exhibition. The International RUSSIA EXPO is a platform for sharing Russia's technological advancements with the world, which make the life of modern people easier and give a taste of what the future might look like.

KEY WORDS:

- achievement — достижение
- advancement — достижение/успех
- exhibition — выставка
- facial expression — выражение лица
- from scratch — с нуля
- gesture — жест
- humanoid — человекоподобный
- to reproduce — воспроизводить
- software — программное обеспечение
- windshield — лобовое стекло

2. DISCUSSION

Discuss in pairs:

- a) Do you believe these technological advancements have the potential to impact our daily lives? If so, how?
- b) What problems do you think might come up if more people start using new technology?
- c) Is it important to visit such exhibitions for young people? Why (not)?

3. PROJECT

The author said that every Russian region has experienced technological progress. Find information about one of the technological achievements of your region and present it to the class. In your presentation you should say:

- who the author of the innovation is;
- in which field it is used (medicine, engineering, transportation, etc.);
- what its function is;
- why it is considered a technological achievement.