**Тема:**  «Знаменитые изобретатели в области электротехники и электроники»

**Цель:** Повторить грамматический материал, продолжить изучать лексическую тему «электричество, механика».

**Задачи:** Отработать навык работы (в т.ч. перевода) с профессиональной лексикой по теме «электричество, механика», повторить тематический материал, актуализировать имеющиеся знания.

**Специальность:** 13.02.09 Монтаж эксплуатации линий электропередачи, 13.02.11 Техническая эксплуатация и обслуживание электрического и электромеханического оборудования (по отраслям)

1. **Study the new words.**
2. **Read the text.**
3. **Do the tasks.**
4. **Study the new words and give a translation:**

**Glossary:**

to include

to prove

prototype

suitable

to convert

efficiency

scientist

petrol-powered car

internal combustion engine

successful

automating processes

adapted

1. **Read the text, do the tasks.**

**The most famous inventors in electrotechnics**

[**Leonardo Da Vinci**](https://www.biographyonline.net/scientists/leonardo_da_vinci.html) (1452–1519) Italian artist, scientist and polymath. Da Vinci invented a huge range of machines and drew models that proved workable 3-500 years later. These included prototype parachutes, tanks, flying machines and single-span bridges. More practical inventions included an optical lens grinder and various hydraulic machines.

[**James Watt**](https://www.biographyonline.net/scientists/james-watt.html)(1736–1819) Scottish inventor of the steam engine, which was suitable for use in trains. His invention of a separate condensing chamber greatly improved the efficiency of steam. It enabled the steam engine to be used for a greater range of purpose than just pumping water.

[**Michael Faraday**](https://www.biographyonline.net/scientists/michael-faraday.html)(1791–1867) English scientist who helped to convert electricity into a format that could be easily used. Faraday discovered benzene and also invented an early form of the Bunsen burner.

**Karl Benz** (1844–1929), German inventor and businessman. Benz developed the petrol-powered car. In 1879, Benz received his first patent for a petrol-powered internal combustion engine, which made an automobile car practical. Benz also became a successful manufacturer.

[**Alan Turing**](https://www.biographyonline.net/scientists/alan-turing.html) (1912–1954) English 20th century mathematician, pioneer of computer science. He developed the Turing machine, capable of automating processes. It could be adapted to simulate the logic of any computer algorithm.

**Do the following tasks:**

1. **Give the main inventions of the scientists:**

[**Leonardo Da Vinci**](https://www.biographyonline.net/scientists/leonardo_da_vinci.html) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

James Watt\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Michael Faraday\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Karl Benz** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

Alan Turing\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Make Present Simple (Indefinite) tense. Give a proper translation to the following sentences:**
2. The modern science (include) not only physics or chemistry but it (to be) focused on a very wide range of topics

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1. The petrol-powered car (pollute) our nature. Prove me wrong!

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1. This (to be) not a working model, it (to be) just a prototype.

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1. The real efficiency of this invention (to be) feasible, but not proved yet.

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1. Howard (to be) a businessman. Successful one, but (to be) not genius.

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1. Automating process may (serve) you a bad trick! It surely (make) the manufacturing process easier, but people suffer from lack of working places.

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1. **Give a proper translation to the following sentences, use glossary word for underlined word:**
2. Ваше устройство не достаточно эффективно

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1. Вам следовало бы преобразить ваше изобретение в нечто более современное

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1. Его новый прототип не был оценен по достоинству

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1. Предложите мне подходящий вариант! Эти варианты меня не устраивают!

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1. Двигатели внутреннего сгорания уже устарели

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**Be ready to give an answer**