1. Дисциплина: Иностранный язык в профессиональной деятельности (английский)

2. Преподаватель: Нугаева Л.Р.

3. Название темы: История развития автомобилестроения (4 ч.)

4. Задание:

1) Выпишите слова и выражения:

self-propelled road vehicles - самодвижущиеся дорожные машины

carriage - тележка; вагонетка

to preclude – исключать/

to embody - материализовать

steam dredge - землесосный снаряд

internal-combustion engine - двигатель внутреннего сгорания

2) Посмотрите видео The History of the Automobile <https://www.youtube.com/watch?v=hDeTPdUNw0Y>

3) Прочитайте текст

# **Automobile Industry**

Automobile industry is the industry and area of commerce in which automobile models are planned, designed, manufactured, and marketed. The automobile industry is concerned with profits and competition; with consumer demands for styling, safety, and efficiency; and with labor relations and manufacturing efficiency.

## **History**

After the steam engine was invented in the early 17th century, various attempts were made to apply this source of power to self-propelled road vehicles. Early efforts were unsuccessful, except for those that produced interesting toys such as the machine developed about 1680 by the English scientist Sir Isaac Newton, which was propelled by the back pressure of a jet of steam directed to the rear. The first successful self-propelled road vehicle was a steam automobile invented in 1770 by the French engineer Nicolas Joseph Cugnot. It was designed to transport artillery, and it ran on three wheels. In Great Britain the inventors William Murdock and James Watt constructed another form of automobile in 1781, and in 1784 they produced a model of a wagon that used the power of a high-pressure, noncondensing steam engine. The British inventor William Symington in 1786 built a working model of a so-called steam carriage.

*The 19th Century*

The first automobile to carry passengers was built by the British inventor Richard Trevithick in 1801 In December of that year, Trevithick conducted a successful road test of his vehicle, which carried several passengers, on an open road near his native town, Illogan. His success was due to the greater efficiency and smaller size of his power unit, which was the first to have the piston moved by steam at high pressure. Earlier power units had pistons that moved as a result of atmospheric pressure against the vacuum produced by the condensation of steam. The quantity of water required for this condensation necessarily precluded the use of these earlier engines for vehicles*.* Their bulk and weight relative to the power developed, moreover, were such that they could not have moved themselves if mounted on a vehicle. Later, Trevithick successfully embodied his power plant in a locomotive for rails. He is considered the founder of both road and rail automotive transportation. In the United States, the inventor Oliver Evans obtained the first patent on a steam carriage in 1789. In 1803 he built a self-propelled steam dredge, which is regarded as the first self-propelled vehicle to operate over American roads. Improvement in the steam engine and in vehicles continued, especially in England, and by 1830 steam coaches were in regular daily use to transport passengers over English roads. Starting in 1831, however, restrictive legislation in England forced the steam coaches off the roads, and by 1860 development of self-propelled vehicles virtually ceased. In France and Germany, meanwhile, attention turned to the development of the internal-combustion engine.

4) Заполните пропуски недостающими по смыслу словами, используя текст и видео:

1. The steam engine was … in the early 17th century.
2. The machine, which was propelled by the back pressure of a jet of steam directed to the rear was developed about 1680 by … .
3. The French engineer Nicolas Joseph Cugnot invented the first successful self-propelled … … in 1770.
4. The British inventor William Symington in 1786 built a working model of a … … .
5. The British inventor Richard Trevithick in 1801 built the first automobile to carry … .
6. … … is considered the founder of both road and rail automotive transportation.
7. In the United States, the first patent on a steam carriage in 1789 was obtained by … … .
8. In 1803 the inventor Oliver Evans … a self-propelled steam dredge which is regarded as the first self-propelled vehicle to operate over American roads.
9. By 1830 steam … were in regular daily use to transport passengers over English roads.

5) Соответствуют ли данные предложения содержанию текста (true or false):

1. Automobile industry is the service industry aimed at providing transportation facilities to the clients.
2. Before the invention of the steam engine in the early 17th century a lot of attempts were made to motorize self-propelled road vehicles.
3. The machine developed by the English scientist James Watt was propelled by the back pressure of a jet of steam directed to the rear.
4. The first successful self-propelled road vehicle was a steam automobile invented in 1770 by Sir Isaac Newton.
5. In Great Britain the inventors William Murdock and James Watt produced a model of a wagon that used the power of a high-pressure steam engine.
6. The first automobile to carry passengers was built by the British inventor William Murdock.
7. In December 1801 Trevithick conducted a successful road test of his vehicle, which carried several passengers.
8. The success of Trevithick was due to the greater efficiency and smaller size of his power unit.
9. By 1830 steam coaches were in regular daily use to transport passengers over Russian roads.

6) Используя текст, составьте высказывания с данными словами и выражениями:

Area of commerce - profits and competition - labor relations - manufacturing efficiency - source of power - road test - greater efficiency - bulk and weight - to obtain the patent - to be in regular use - to transport passengers - restrictive legislation.

Дата сдачи работы **04.12.2020**

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