*Блащук Ольга, 3630103/90001 Monologue on Engineering*

One well-known scientist-engineer K. Prutkov in his volume "The advice to the beginning genius" said, that before making a discovery you should looked in the reference book. This is a pretty wise phrase that warns us not to **reinvent the wheel.** As you know, you don't need to be **as bright as a button** to try to make your life easier and not do extra work. But where does this background information come from? Information that most take for granted. All this information, which we take for granted, is found and proven by scientists. Whole our life, from the entire infrastructure to **bells and whistles,** like household appliances and gadgets, is created by engineers. This is only a **cog in the machine of** the great works of the scientific and technical community.

Engineers are people who **improve people’s lives by** inventing new devices and **making modifications** to the old ones. They **build models** to **predict some natural phenomena like the volcanic eruption,** or constructions to **go through a disastrous hurricane.** They are developing civil, erecting new buildings, creating new modes of transport. Engineers are even thinking about **sending probes into space** to **deflect asteroids by colliding with it** and even **to reveal an alien invasion.** As we can see, engineers are involved in all areas of human life. Sometimes, talking about global things, we forget that the people of this profession are responsible for creating everyday things for us. For the production of motorcycles, for example, a large team of specialists is responsible. Before sending the drawings for assembly, engineers design the motorcycle's mechanisms and **do a lot of safety tests** to make sure their invention will be comfortable and safe.

The branch of engineering that **focus on production** control is very important. Engineers monitor compliance with safety standards and quality control. Many wastes from factories **constitute a threat to** nature. Harmful chemicals can cause **mass extinction** rare species of animals and plants. Soil pollution and devastation in theory can **result in a widespread famine**.   
 To prevent this, engineers come up with special filters and mechanisms that break down poisons into harmless compounds.

I find the Panama Canal one of the coolest and the largest man-made structure I’ve ever heard. It is an artificial trench linking the Atlantic to the Pacific. The construction was completed and presented in 1914. This is one of the most fantastic human engineering achievements. Engineers **found the solution** for raising ships to a height of 26 meters.  
 It plays an important role in the exchange of goods by sea, reducing their cost and delivery time.

Now our planet is getting through an epidemic of coronavirus COVID-19. This is a new virus, which appeared for the first time in China. Some people believe, that it was **engineered as a GM superbug**, but most say it mutated from an animal’s virus. Lots of people, mostly doctors and social workers, **are weakened** by that disease. Coronavirus **has an impact to** peoples’ lungs and vessels, and, unfortunately, is **resistant to antibiotics**. Because this virus is very dangerous, engineers, which work in microbiologic field, every day have to **make a breakthrough** to reach **Sputnik moment** and come up with an universal cure. Every day they **meet a deadline**, because millions of lifes are at stake and it’s necessary to **contain an epidemic.**

In conclusion, it must be said, that an engineer is a very important and complex profession. If there were no engineers, you wouldn’t know how to apply knowledge to creating different things. **It’s not rocket science** that engineers always will be demanded and well-paid. I am very happy about choosing this profession. I hope, I will be useful to the world.

*Active Vocabulary: 26, Grammar Structures: 5, Linkers: 10. Total: 615 words.*