NT112 - HOME READING ASSIGNMENT

1. Language study
2. Find at least 10 words and phrases used to describe robots, both physically and psychologically. Classify them according to various semantic and grammatical criteria.

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| Physically | Psychologically |
| Metal feet | Faithful |
| Metal finger | Some can speak some can’t |
| Long legs | Robbie was hurt at the unjust accusation - sensitive |
| Graceful body | Hard-hearted |
| Rounded edges and corners | Obedient |
| Massive head | Clever |
| Long, supple fingers | No soul |
| They composed of strong metal | Positronic brain |
| Robots have the red glow in their eyes | Robots don’t get drunk. |
| Inhuman laugh | Absorb electrical energy |
| Sharp and explosive | Continuously conscious |
| Son of a hunk of iron ore | Can stand extremes of environment easily |
| Gleaming eyes | Pure nuts |
| Streamlined body | Robots are essentially decent |

1. Text study

Robbie

In this story, the problem between a robot and a human is that the human doesn’t like the robot to befriend his child.

At the beginning of the story robot Robbie was playing with Gloria outside. At one moment, Gloria’s mother, Grace, was angry because Gloria had forgotten to get inside the house and blamed Robbie for that. After that, Grace was forcing her husband George to get rid of Robbie but he refused it and he told her that Robbie was a good robot. After a while, Grace convinced him and he sold Robbie. Their daughter ceased smiling and the passing days found her ever more silent and shadowy. Gradually, her attitude of passive unhappiness wore Mrs. Weston down. They tried to cheer her up by buying her a dog but it didn’t turn out well. They decided to move out to a bigger city because they thought that would make Gloria happy again. One day, in a museum, Gloria left the parents and went to the Talking Robot and she was asking him questions about Robbie. When Grace found Gloria, she was very angry and at the same time started to cry because she couldn’t stand Gloria’s sadness anymore. George came up with the idea to convince Gloria that Robbie was nothing more than a machine and he arranged a complete tour of U.S Robots premises.

At the end of the story, they went to the U.S Robots and met Mr. Struthers who was General Manager. Gloria saw Robbie there and she ran toward her Robbie, but she didn’t see tractor which was going toward her. Only Robbie acted immediately and with precision to save her life. Grace was ready to get Robbie back to their house but they told them that most of the world governments prohibited the use of robots on Earth for any purpose other than scientific research.

1. Essay writing
2. The role of IT and robotics in the modern world

As time goes by, IT and robotics have more and more influence on society. Everything is starting to be automated and replaced with smart devices.

IT sector is an important part of our lives today and few can imagine living without it. We have accomplished a lot with the help of technology, for example, we can travel around the world, keep in touch with friends in all four corners of the world and heal many illnesses. It means more freedom and possibilities for people. What has been achieved so far is indisputable, but we have to consider the social imbalance, weapons of mass destruction and depletion of natural resources as well.

A robot is a machine that can solve demanding tasks and move automatically. They have an important role in the world because they make people’s lives easier. Robotics is an intersection of science, engineering and technology that produces machines, called robots that substitute for human actions. Currently, the role of robots is to take over hard and dangerous jobs particularly the ones which require impeccable precision. In medicine, robotics has an enormous role. For example, robots assist the surgeon in precise movements and work. Robotic surgery is used today around the world to help doctors. Robotic systems enable surgical navigation during operations. Thanks to robotic surgery, doctors can facilitate access to unreachable places in the body. Rehabilitation robotics is increasingly becoming popular. Today, these robots can think and interact directly with humans. Rehabilitative robots help humans who have lost limbs to move as if they still have their arms or legs. Therefore, these robots help people live normal lives, despite disabilities. Robotics is also present in agriculture. The use of robots is increasing over the years. Robotics helps to overcome problems on agricultural land. Farmers no longer have to apply fertilizers, pesticides and water across the fields. Robotics can do this for farmers, who can, in that way, achieve higher crop productivity, less chemical flow into groundwater and rivers, and increased farmer safety.

Honestly, I am scared of the speed of technology development and how it can change the world. I think it is important to preserve human race, animals and plants on this planet. This means making technology as positive as possible for humanity and the environment but not replacing everything with technology. The technology we are creating now shapes the future, which should be beneficial for people and should make life easier, not more complicated.