



Otázka: Science and industry

Jazyk: Angličtina

Přidal(a): Tereza

From the beginning of people's existence they have used tools, various types of energy and materials, because they wanted to improve everything in the world. Almost every human process for getting food and shelter depends on technological systems. At present, modern industry depends on power, materials, machinery and production process.

History:

In 18th century was developed first working steam engine by James Watt. The steam engine and other advances made possible the replacement of traditional agrarian economy by one dominated machinery and manufacturing. This steam engine was originally developed for draining mines but then was put to use in factories and on the railways and hand-made products were replaced by machine-made products which increased number of products and also made the transportation faster. In second half of the 18th century was in sign of Industrial revolution, it started technical and economic development in Great Britain and transferred the balance of political power from the landowner to the industrial capitalist and created an urban working class.

Electricity was available from the early 1880s and was used for electric motors, which powered all kinds of machinery and for lighting and also for an electric bulb invented by Thomas A. Edison in 1879. Electricity is one of most convenient form of energy and it can be generated in one place (power stations) and distributed anywhere, because it flows through wires.



Present:

Plenty of inventions and discoveries have influenced our lives, such as radio, television, telephone, photographs, computers – but this is just equipment, which makes our lives more comfortable and it is also a source of our fun and tools for spending our free time. But especially in this time we can't live without them – all of us use computers and mobile telephones every day, many hours, we work on them and we become accustomed to have it in hands. But of course, sometimes people spend so much time on their mobiles or computers, connected on social networks like Facebook instead of going out with friends and they lose their social contact. And these devices are going to be improved and who knows, what are we going to have in our lives in 30 years. Many things could be better, but there is also a threat, that our kids won't have childhood in parks and nature.

But also there are many important tools, which can save our life – many medical devices like EKG, X-ray and also other discoveries of medicines – penicillin, vitamins...

Many inventions were appreciated by the Nobel Prize – especially it relates for science – chemistry and physics.

One of the most famous appreciated women was in 1903 Marie Curie Skłodowska. She got the Nobel prize for chemistry and physics – for research of radiational effects and then for discovery of Radium and Polonium. She had hard conditions – small equipment of laboratory not much means for researches and so on. Working with radioactive materials caused her disease and she died for her life research.

Space flights present a special application of modern technology and science. The first satellites were launched into orbit around Earth in 1957 by the Russians and soon the first man-operated spacecraft was put into orbit. In 1961 Soviet cosmonaut Yuri Gagarin became the first human in space aboard the spacecraft. In a few years manned missions to the Moon were achieved, the first being Apollo 11. The first people to step onto the Moon in 1969 were Neil Armstrong and Edwin Aldrin.

At present artificial satellites are used for scientific purposes, communications, weather forecasting and military purposes.

Many scientific-technical things solve our problems and are the most important for us. But we also have to protect our environment, find the way how to feed the constantly increasing number of people, how to solve famine and how to cure some diseases. Maybe one day scientists will find the cure for cancer or AIDS or Ebola virus.

Also there is some danger of innovations and inventions - in this time especially extra powerful laser weapons, nuclear bombs and other...

Technology is dependent upon how people use it and how new inventions are introduced into life.