Katie and Tex Explore Robotics and AI Tech File

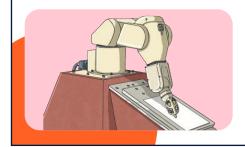




The word robot stems from the Czechoslovakian word robota meaning 'forced labour'. The word was first used over a hundred years ago in a play about mechanical people built to work in factories. Since then, people have been fascinated with the idea of robots.

Robots are machines that are preprogrammed to do different jobs often without people having to control them. They can work very accurately and very quickly. They can also work in dangerous places or with dangerous materials.





Some robots work on production lines in factories. They can be used to assemble cars or make furniture.

Robots are also used to handle radioactive waste materials that would be dangerous to humans. Robots have even travelled to space to help us explore new planets.

Not all robots look like humans. This dog robot can run, jump and play just like a real dog.



Some robots are designed to work inside computer devices. These are called bots.





Many robots are now making use of AI or artificial intelligence. AI allows machines to learn from their experiences in a similar way to humans. AI is used to make video games more realistic. It is also used in streaming sites to predict what we might like to listen to or watch.

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Did You Know...?

Some robots are smaller than a grain of salt! They are called nanorobots. Scientists are beginning to investigate how nanorobots can be used to find and treat cancer cells and blood clots.

What Can You Do?

Design or build a model of your own robot. Label the different parts to explain how it works and what it can do.

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