



**The Idea is a Jewel...Wow!**

**Dr. Mohamed Abou El-khir**

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Adam and Robo are friends, they both live in a tower on the Nile Street in Cairo. Robo and Adam went on a guided tour of the Great Pyramid. Adam loves his country Egypt and loves to read about the history of the pharaohs and the ancient Egyptian civilization.

Adam stood dazzled in front of the Great Pyramid, which is a symbol of knowledge and progress in architecture. He said: What a huge building that stands tall and defies time. How was the pyramid built? Robo: Until now, no one knows how it was built? It is made up of 26,000,000 stones, each stone weighs 2.5 tons, and the entire pyramid weighs 7 million tons.

Adam said: This large building is made of stone, and a golden idea in the mind of the engineer who built it.



Robo said: All right, Adam, great things come from a small thing.

Robo said: A tree, for example, with its roots extending into the soil, the stem above the ground, and many branches scattered in the air, as well as the leaves and fruits on it, are all rooted in a seed.

Adam said: Yes, that is true.

Robo said: A seed is placed in the appropriate land, then watered with water and taken care of, then after a while, we find the small seed, grows, and becomes a tree.



Robo said: Also, the great dreams that people imagined, were ideas.

Adam said: Now I remembered the idea of flying in the sky. People dreamed of flying like birds, and that the Arab scientist, Abbas Ibn Firnas, was the first to try to fly by installing wings with his arms, like paragliding.

Robo said: Abbas ibn Firnas's idea helped to achieve this dream, which encouraged the Wright brothers – Orville and Wilbur – to make the first model of a motorized aircraft in 1903 to fly in the sky.

Adam said: The implementation of this idea was a great achievement for the development of our lives.

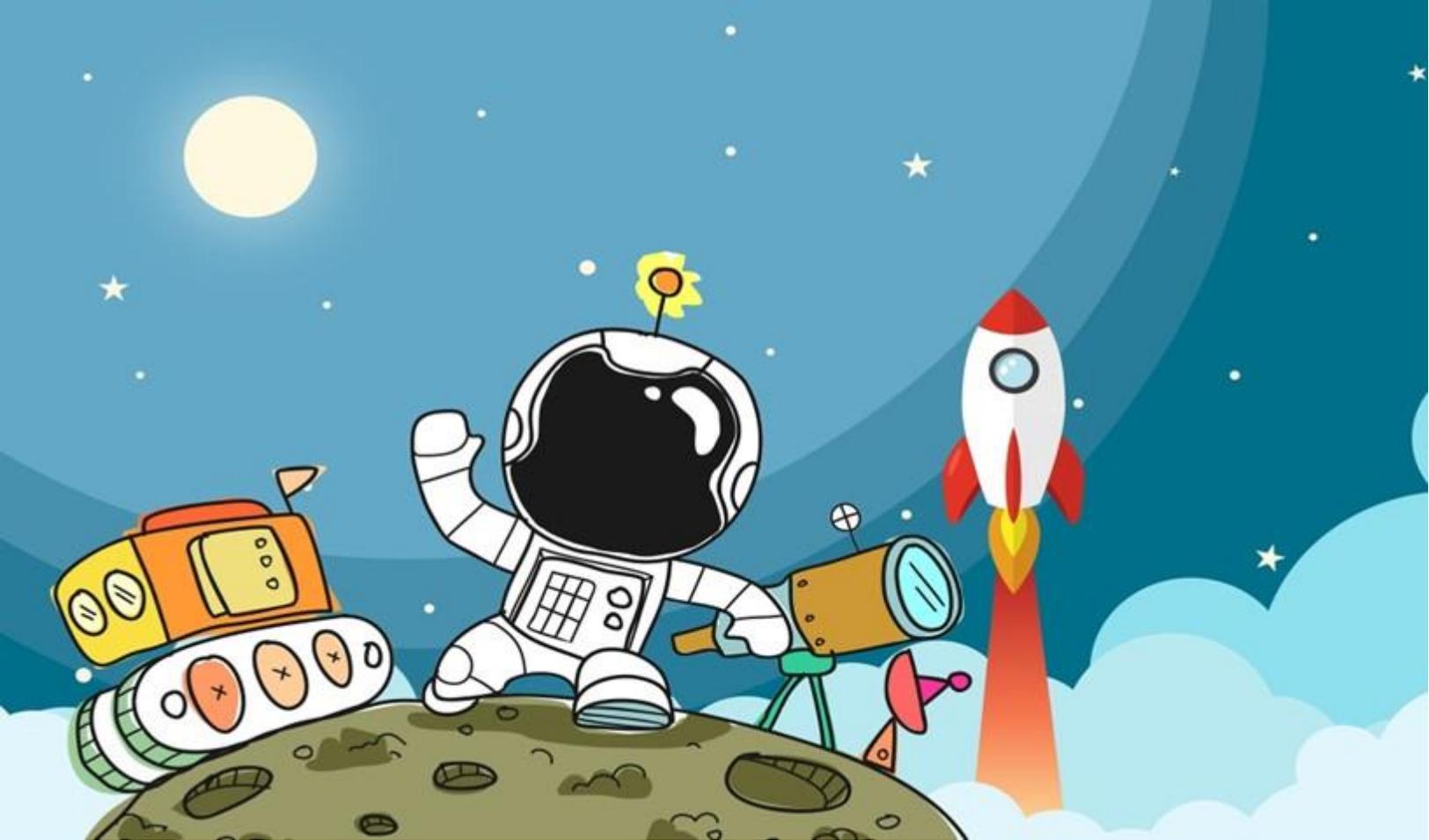


Robo said: Then the aircraft industry was developed and became a part of our daily life. People, in their travels, whether within their own countries, or going to different countries around the world, are using planes.

Adam said: Therefore, it's the idea that made us invent new machines.

Robo said: Yes, the idea, and the beauty of an idea, is that it generates another idea, for another dream.

Adam said: What do you mean by that?



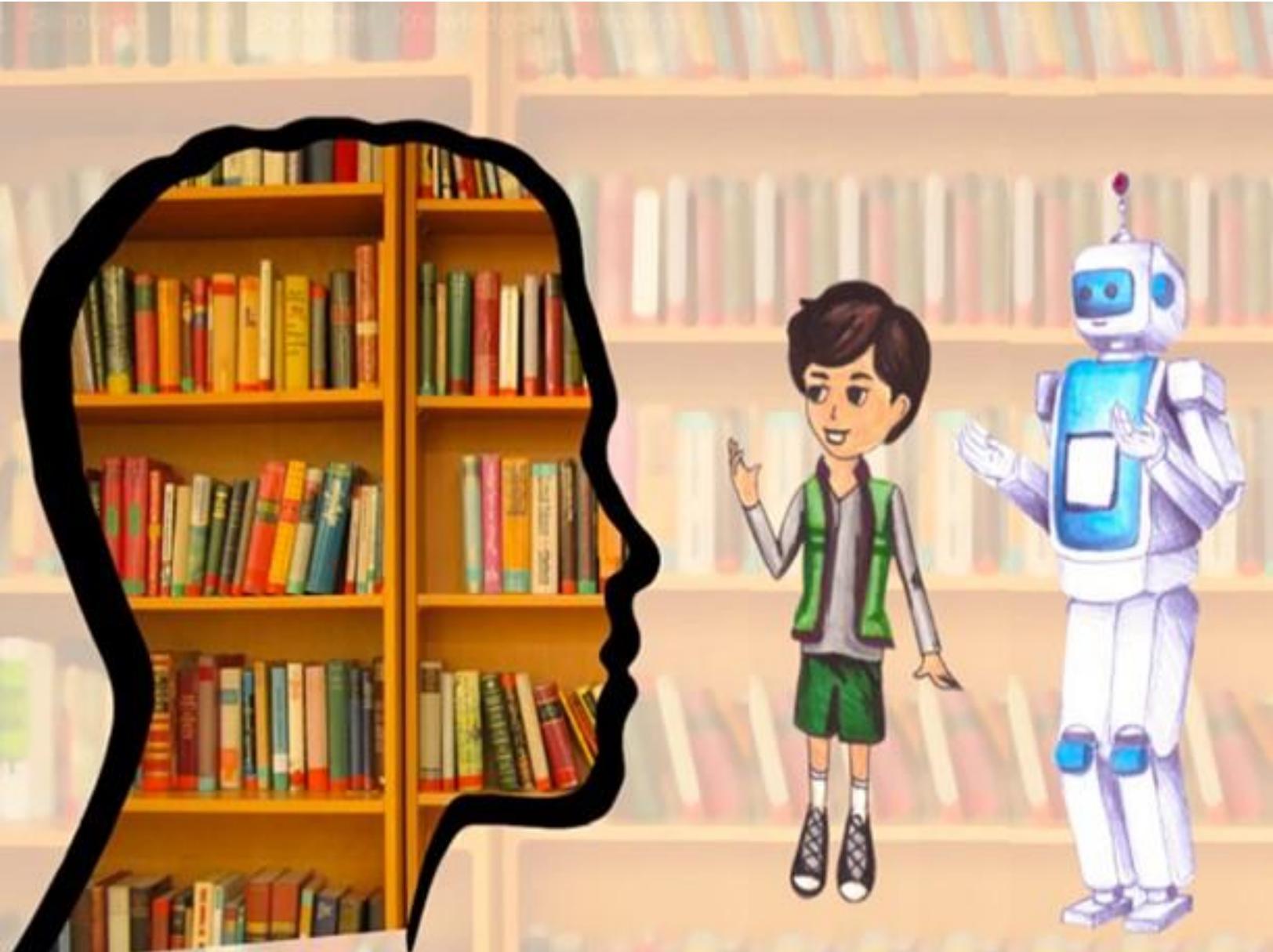
Robo said: The idea of planes paved the way for another dream of building rockets and spacecraft, to launch outside the Earth's atmosphere, to discover the moon, Mars, and other planets. The spacecrafts have laser devices to break rocks, and cameras to photograph and record sounds in the outer space environment. This is a historic achievement and evidence on the power of science and knowledge, and of course robots have a large share in this development.

Adam said: Of course, Robo, but why do people go to Mars?

Robo said: The rover lands on Mars, the “Red Planet” to obtain samples of soil and rocks, search for water, minerals, and organic materials. Then, through these samples we can know whether there could be a life on Mars or not? This will help us learn about what is around us, and what is the future of our planet Earth.



Adam said: I remember now, the idea of the light bulb that transformed human life from darkness to light. Thomas Edison (1847-1931) was able with his distinguished idea to make the light bulb glow long, rather than short. This idea had a great impact on human life. Robo said: Thanks to Thomas Edison for making hundreds of tries in his laboratory, not afraid of trial and error, until he succeeded and achieved the invention, and many other inventions such as the cinematography machine.



Robo said: Even books, dictionaries, and encyclopedias are all letters that make up words, and words make up sentences with meaning, and sentences make up books.

It transfers to us the history of people and knowledge, from the past to the present, and it will remain with us in the future.

Adam said: People expressed ideas in simple words, and from these ideas were stories, poetic poems, scientific theories, and science fiction, from which life developed through inventions thanks to the idea of writing.



Robo: Do you know where we are Adam?

Adam said: We are above the new Suez Canal, parallel to the old canal with a length of 72 km, which was inaugurated by President Abdel Fattah El-Sisi on August 6th, 2015.

Robo said: Do you know the idea of this canal thought by the Pharaoh of Egypt Senusret III, who ruled from 1878 until 1839 BC. He dreamed of building a canal linking the Red and Mediterranean Seas. The great dream remained until the engineer Ferdinand de Lesseps implemented it with the hands and efforts of the Egyptians.

Adam said: OK. The channel was opened during the reign of Khedive Ismail in 1869, in the presence of Empress Eugénie, the wife of Emperor Napoleon III of France, Prince Abdul Qadir El Jazairi, Norwegian writer Henrik Ibsen, and others.

Robo said: The dream may be old, but with will and action, dreams come true. The Suez Canal connects the continents of Asia and Africa and is one of the shortest canals to assist maritime trade, and it contributes to the global economy.

Adam said: Egypt presents, The Suez Canal, to the world as a symbol of peace and cooperation between people.



Every achievement is an idea. Important works that people consider one of the wonders of the world, such as the Great Wall of China, the Taj Mahal in India, the Leaning Tower of Pisa in Italy, the Eiffel Tower in France, and others, all started with an idea. Many international companies in construction, cars and computers started from scratch, started small and then grew up. It all started from the seed, the idea, and then the big dream to come true. The owner of this idea did research, and were well prepared for implementation, with a distinguished team, a love for perfect work, and the result was a success.



Adam said: Robo, I have an idea.

Robo said: What is it, Adam?

Adam said: I want to send a message to the inhabitants of other galaxies, "All peace and love from the people of earth to our neighbors in the wonderful universe, we want to plant a tree with you. Adam from planet Earth - the Milky Way."

Robo: But do you think they will understand our language?

Adam said: Yes, they will understand it, because the language of love is understood by any creature in the universe.

Robo says: Really, Adam, the idea is a Jewel, and you must catch it.