



Pearson

International Advanced Level

**Modern Foreign Languages (Spanish)
Unit 4 - Research, understanding and
written response**

Additional sample assessment materials

Question 6 Translation (Technology)

Question 6

Technology in the TL speaking world - Technology innovations

http://www.la-razon.com/sociedad/Historia-Esteban-Patacamaya-fabrica-robots-basura_0_2297170367.html

Esteban Quispe, the Bolivian genius who makes robots

Esteban has made more than 24 robots. But what inspired him to build them with rubbish? "I didn't do it because I wanted to, it was a necessity, if I could I would have used new materials, but I didn't have them, so I started using what I found in the dumps and I still do ", Esteban says.

The ingenious mind of this teenager began to wake up at the age of eight. His father told us: "Ideas came about because we could not afford to buy presents, so one year I encouraged Esteban to make a wooden car together." Esteban then installed a pair of lights on it.

Later, Esteban made changes to his computer and got his computer to answer some questions. Then came another of his inventions, he created the robot Wall-Ekitt, which can move from side to side, and detect and avoid obstacles. All this without knowing anything about computer science.

His new project is to create a robot to help his father. He thinks that androids can facilitate the work of farmers, so they don't leave the countryside, something very common where he lives.

Recently, he was invited to Washington to participate in the "Ideas to improve lives" event and to visit the facilities of the Google company. However, his plans are currently focused on the needs of his Andean agricultural community, although, he has received scholarships to study at different universities and job offers from US companies.

236 words

(a) How do we know that Esteban uses recycled materials to build his robots?

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(b) According to his father. Initially, why were his ideas related to poverty?

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(c) Why can we say that Esteban's inventions are incredible?

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(d) What does he want to avoid with his next design?

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(e) At this moment, how does he see his future?

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(Total for Question 6 = 5 marks)