

KELVIN DOE MAKES RADIO STATION OUT OF TRASH

COMMON CORE STATE STANDARDS

- CCSS.ELA-LITERACY.W.8.2B Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations, or other information and examples.
- CCSS. ELA-LITERACY.RL.8.1 Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text.
- CCSS. ELA-LITERACY.RH.6-8.5 Describe how a text presents information (e.g. sequentially, comparatively, and causally.)



READABILITY
SCORE: 8.0
LEXILE
LEVEL:
930L

HERE'S KELVIN'S STORY!

Most people throw many items that they believe are useless into the trash. Fifteen-year-old Kelvin Doe of Sierra Leone creates useful things from things that are thrown into the trash. Kelvin built a radio station using “useless” discarded items that were thrown away. The station broadcasts news and music. Kelvin is known as the DJ (**disc jockey**) and is called DJ Focus. Kelvin has asked for help from his classmates, who are mostly only twelve years old, to report the news, every day, in his community.

Kelvin thought that the young kids in his village needed a way to express themselves. This is why he decided to build the radio station. In order for the news to reach the villagers, a **transmitter** (something to carry the radio signals), would be needed. Kelvin figured out how to make one. Kelvin’s amazing ability to make a **transmitter** out of junk caught the attention of David Sengeh, who is also from Sierra Leone.

David Sengeh is a student at the Massachusetts Institute of Technology (MIT). Sengeh was so excited about Kelvin’s radio station that he asked him to come to MIT for three weeks. Kelvin’s trip was paid for by using money from a special program at the college. Kelvin made history by becoming the youngest person to ever enter the special program at MIT.

David Sengeh made a video of Kelvin’s inventions. The video also shows Kelvin at MIT. Many colleges have offered Kelvin a scholarship to get a university education.

Kelvin knows that over one and a half billion people in the world need electricity. His next project is to create a **windmill**.

VOCABULARY

Recycle - use again

Reuse - use again or more than once

Carelessly - not paying attention to what one does

Broadcast - to speak, to transmit, to cast over an area

Initiative - an act or step.

Windmill - a machine for pumping; driven by force

Disc Jockey - a person who conducts a broadcast; selects, plays or announces things on a radio station.

Engaged - busy; involved

Transmitter - a device for sending electromagnetic waves as used for broadcasting.

Quiz

CCSS. ELA-LITERACY.RL.8.1 Cite the textual evidence that most strongly supports an analysis of what the text says explicitly as well as inferences drawn from the text. (i.e. **When reading the story, what information can you find that provides the reason behind Kelvin's invitation to MIT?**)

1. Explain why Kelvin was invited to MIT.

- A. David Sengeh invited Kelvin to MIT so that Kelvin could find a way to use the trash that he found in Sierra Leone and turn it into a transistor for his radio.
- B. The MIT International Developers Initiative found out about DJ Focus. They wanted Kelvin to research wind power at MIT with help from David Sengeh.
- C. Kelvin made a radio from trash in his home of Sierra Leone. David Sengeh, a student at MIT liked Kelvin's work. He asked Kelvin to visit MIT and study there.
- D. People who listened to DJ Focus got in touch with David Sengeh and asked for Kelvin to be invited to the MIT program.

CCSS. ELA-LITERACY.RH.6-8.5 Describe how a text presents information (e.g. sequentially, comparatively, and causally.) (i.e. **Describe what information is in the story that gives you more information to make your selection.**)

2. Which one of these details is not important to include in the last paragraph of the text?

- A. Kelvin Doe is from the country of Sierra Leone. He does not have a way to use advanced radio technology. Kelvin used trash to build his own radio station. He calls himself DJ Focus.
- B. Kelvin is only fifteen years old. When he came to the US to visit MIT he became the youngest person invited into their International Developers Initiative.
- C. Before meeting Kelvin, David Sengeh did not know that anyone could make a radio transmitter from garbage. Kelvin is responsible for teaching his peers about radio technology.