

WOMEN IN STEM

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CHARITY WANJIKU

Empowering with Power

Wanjiku's aim is to alleviate energy poverty in Africa. Her company Strauss Energy Ltd., designs and develops innovative solar panels that also act as building materials.

Ingenium is committed to encouraging and empowering women and girls in science, technology, engineering, and math. Learn more at: ingeniumcanada.org/womeninstem/

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CONCEPTS AND CONNECTIONS

Charity Wanjiku seeks to alleviate energy poverty in Africa. Her company, Strauss Energy, produces roof tiles that also serve as solar panels, providing reliable, green energy for homes. She also serves as a mentor for women wanting to enter the STEM fields.

Did you know?

In developing countries, rural electrification benefits women and children the most: it increases safety, allows children to study after dark, and increases the amount of time a woman can use to generate extra income.*

Grades 4-6	Grades 6-8	Grades 9+
<p>Charity Wanjiku's tiles serve both as roofing tiles and solar panels. Can you think of a how you could blend green technology into other building materials or structures?</p>	<p>Charity Wanjiku's tiles serve both as roofing tiles and solar panels. Can you think of a how you could blend green technology into other building materials or structures?</p> <p>What are some examples of developed countries? What countries are most underdeveloped? How are they different?</p>	<p>Charity Wanjiku's tiles serve both as roofing tiles and solar panels. Can you think of a how you could blend green technology into other building materials or structures?</p> <p>What are some examples of developed countries? What countries are most underdeveloped?</p> <p>In developing countries, what do you think contributes to the gender gap for girls and women in education generally, and STEM participation specifically?</p>

*References:

Reiche, Killan; Covarrubias, Alvaro; Martinot, Eric: Expanding Electricity Access to Remote Areas: Off-Grid Rural Electrification in Developing Countries.