

WOMEN IN STEM

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NATALIE PANEK

Brilliant Space Cadet

Mechanical and Aerospace Engineer Panek rocketed into the exciting world of space science and engineering. Her work on space robotics contributes to many space exploration programs, including a rover mission to Mars.

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

Natalie Panek has been described as a vocal advocate for women in technology. Evidence shows that the best way to encourage women to get involved in STEM is through discussing the issues such as social barriers and inequality.

Did you know?

Studies suggest that by making subtle changes to classrooms, teachers can remove barriers and promote inclusivity. Examples of these changes include: creating an inclusive physical learning environment, challenging beliefs about fixed abilities, and promoting the positive impacts STEM can make on others' lives.*

Grades 4-6	Grades 6-8	Grades 9+
<p>Women make up half of the population. Can you think of jobs where you see women being under-represented? Are there any where women are over-represented?</p>	<p>Women make up half of the population. Can you think of jobs where you see women being under-represented or over-represented?</p> <p>Explore the differences between tokenism and representation. Can you think of some examples?</p>	<p>Women make up half of the population. Can you think of jobs where you see women being under-represented or over-represented?</p> <p>Explore the differences between tokenism and representation. Can you think of some examples?</p> <p>What effect could a lack of representation have on a woman or girl wanting to pursue a career in STEM?</p>

* References:

Master, Allison and Meltzoff, Andrew: Building bridges between psychological science and education: Cultural stereotypes, STEM and equity. Prospects – UNESCO, 46, 215-234.