

WOMEN IN STEM

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HELEN IRENE BATTLE

Hook, Line and Thinker

The first woman to earn a PhD in Marine Biology in Canada, Dr. Battle was also the first zoologist to use laboratory research in marine biology. She pioneered the use of fish eggs to study cancer-causing substances in cell development.

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

Helen Irene Battle was the first woman to earn a PhD in Marine Biology in Canada, the first zoologist to use laboratory research in marine biology, and pioneered the use of fish eggs to study cancer. That's a lot of firsts!

Did you know?

Rachel Carson's 1962 book *Silent Spring* not only catalyzed the global environmental movement at the time, it made excessive pesticide use a major public issue.*

Grades 4-6	Grades 6-8	Grades 9+
Trailblazers are important because they open the doors for others to follow. Do you know of any trailblazers? Did they face challenges? What sort of challenges would you think someone who achieves a "first" must face?	What challenges are faced by trailblazers? Although women have made strides in STEM, barriers still exist that women haven't crossed. Can you think of any?	What challenges are faced by trailblazers? Although women have made strides in STEM, barriers still exist that women haven't crossed. Can you think of any? Who are women trailblazers in STEM that you find inspiring? What barriers, if any, have they had to overcome? Can you relate to these challenges?

***References:**

Michals, Debra. "Rachel Carson" National Women's History Museum, accessed 2015