



Perceptions about Women in Science and Engineering History

BACKGROUND: For at least forty years, women’s history scholars have investigated who is responsible for advances in science and technology. Their findings have dismantled assumptions that have excluded women’s scientific contributions. While the role of women in the history of science has been recovered, it is uncertain whether this information has made its way into the classroom and into cultural consciousness.

Research Methodology

- College students at 3 institutions took a 3-minute, 3-question survey on paper.
- Q1 asked students to name famous or historically important scientists, engineers or inventors. Q2 asked them to name just women figures. Q3 was a general question about women in history.

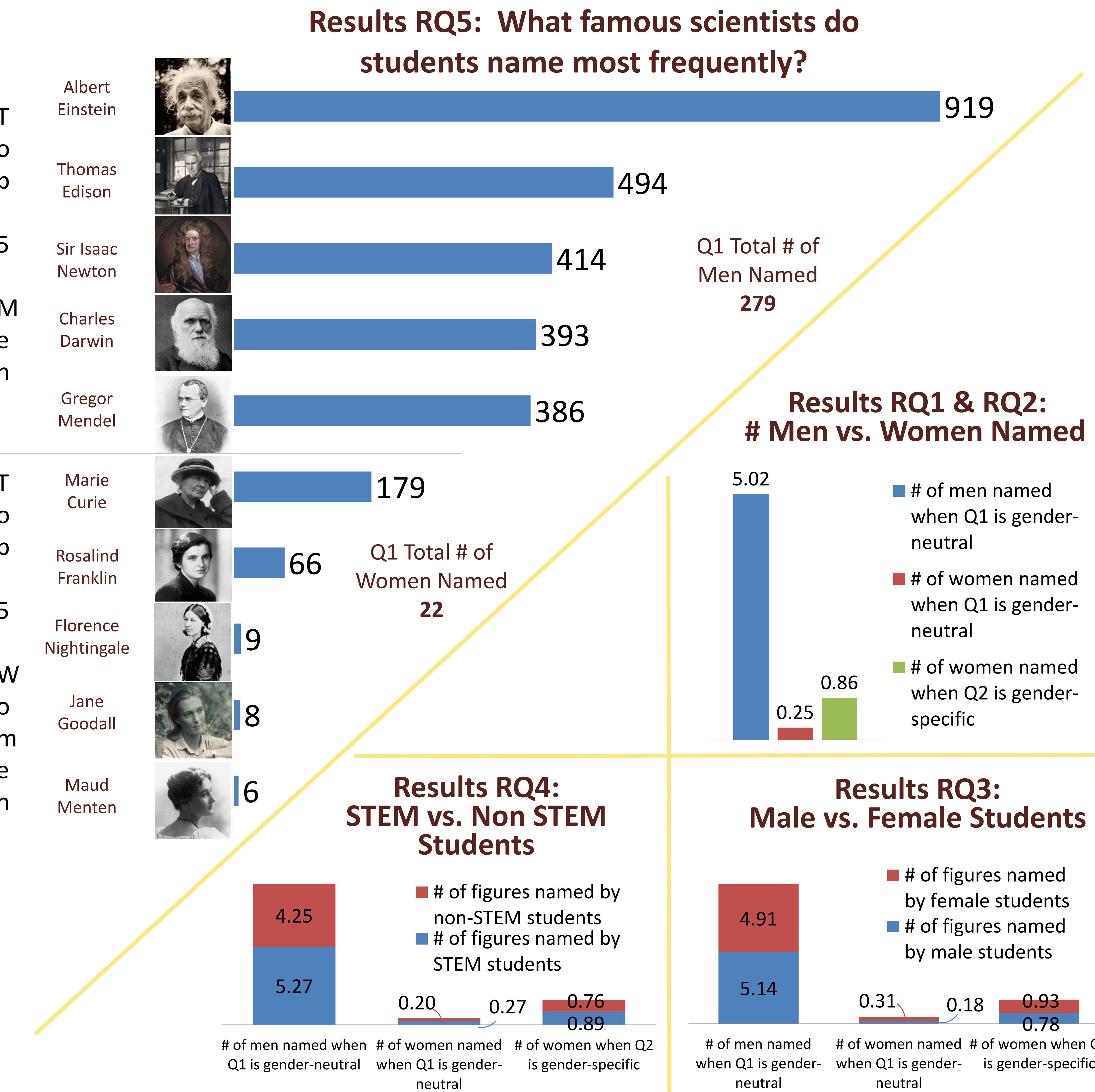
Survey Demographics

	Student Major		Total
	STEM	Non-STEM	
Male	389	124	513
Female	477	157	634
Total	866	281	1147

Research Questions

- RQ1: Do college students name significantly more men than women in Q1?
- RQ2: Do they name more men in the general Q1 than they name women when specifically asked about women in Q2?
- RQ3: Is there a difference between female and male students’ responses?
- RQ4: Is there a difference between STEM and non-STEM students’ responses?
- RQ5: What famous or historically important scientists, inventors or engineers do students name most frequently?

Results



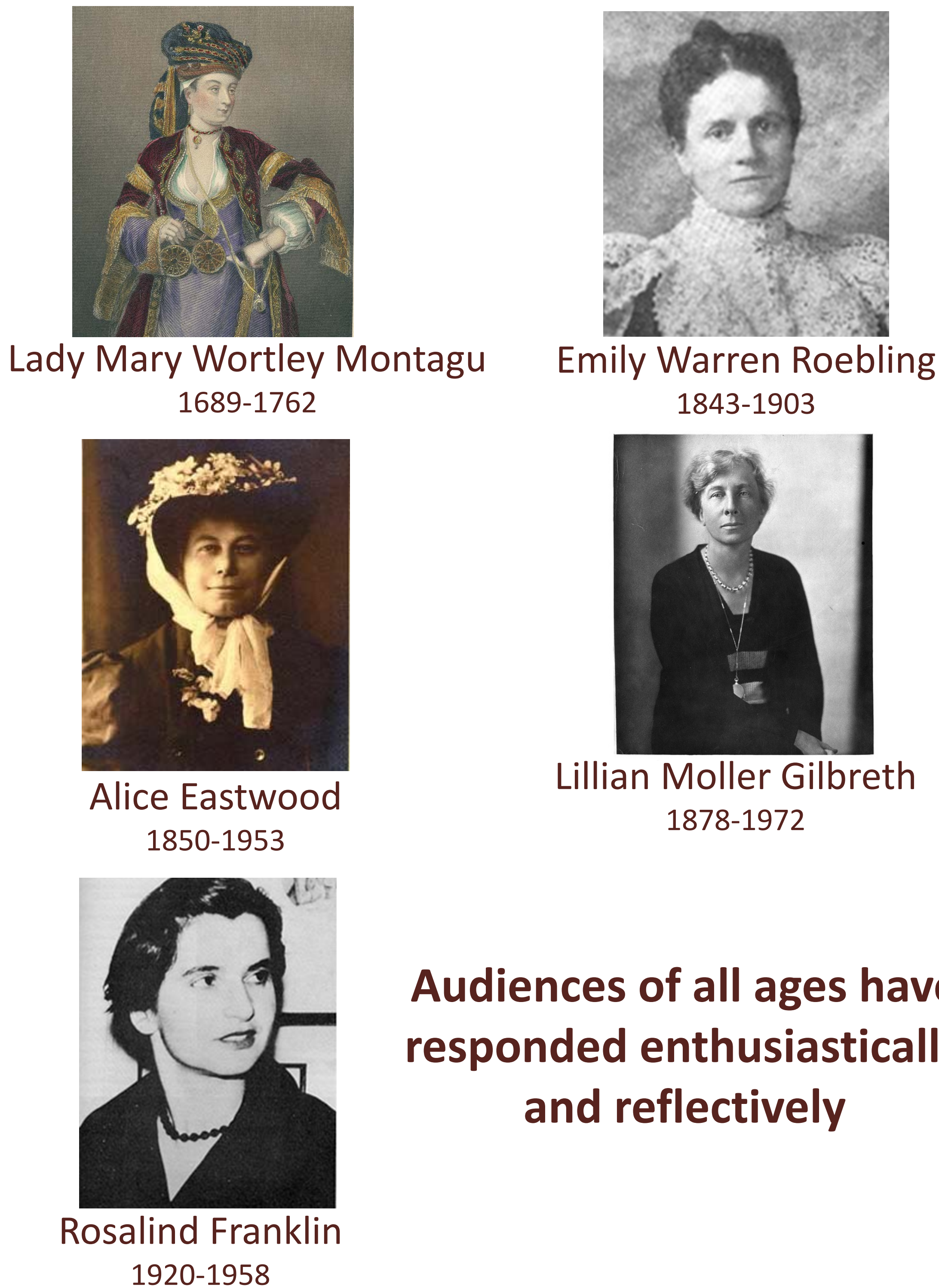
Responding to Results

What can educators do to promote awareness about women scientists and career role models ?

→ Incorporate stories of women scientists into your class.

Our Intervention

A play featuring monologues about individual women scientists
Off the Record: Untold Stories about Women, Science, and Technology



Audiences of all ages have responded enthusiastically and reflectively