## Science Is Diverse



# Women in Science Project

What:

Presentation on a Female Scientist

### Why:

Many of our scientific discoveries come from scientists with a diverse background but we don't always learn about them. This project will help us showcase these scientists.

Due Date:

Presentation: Will start on the due date

This will count as a test grade

#### Step 1: Research

• Determine which Female Scientist you'd like to research

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• Minimum of 3 sources (list below)

#### • Personal information

- Basic information (birth & death date), ethnicity, race, mom/dad, brothers/sisters
- o Where they grew up, what was their early life like
- Where/how did they go to school

#### • Scientific Life

- o What was their early life like
- How did they become a scientist
- What field of science did they specialize in? (Biology, Physics, Chemistry)
- o Did they work in a specific field? (Genetics, ecology, Medicine)
- What did they do their research in?
- What was their main discoveries/contributions?
- How has society been impacted by their work?

#### Step 2: Brochure

- Brochure will summarize your research. You will need your name and section on it somewhere small.
- Left Fold- Personal info and background
- Centerfold- Major Contributions, What field, major research
- Right Fold- Pictures, How their research impacted society
- Graded upon quality, accuracy, and scientific work.

#### Step 3: Presentation

• You will give a 3 minute presentation about your scientist. You will be responsible for the presentation. You can give a simple speech showcasing your brochure. You will be presenting in class to your peers. Make sure your presentation is rehearsed.

List of Women to pick from: Select a few that you would like to do in case someone else gets the one you want.

- 1. Marie Curie
- 2. Rosalind Franklin
- 3. Lise Meitner
- 4. Emmy Noether
- 5. Grace Hopper
- 6. Rachel Carson
- 12. Chien-Shiung Wu
- 14. Vera Rubin
- 15. Lynn Margulis
- 16. Maud Menten
- 17. Dian Fossey
- 18. Sally Ride
- 19. Ada Yonath
- 20. Stephanie Kwolek
- 21. Alice Ball
- 22. Muriel Wheldale
- 23. Lydia Villa-Komaroff
- 24. Ida Noddack

- 7. Rita Levi-Montalcini
- 8. Barbara McClintock
- 9. Jocelyn Bell Burnell
- 10.Gertrude B. Elion
- 11.Dorothy Hodgkin
- 13. Mary Anning
- 25. Tiera Guinn
- 26. Elizabeth Blackwell
- 27. Jane Goodall
- 28. Mae C. Jemison
- 29. Jane Cooke Wright
- 30. Maria Mitchell
- 31. Ellen Swallow Richards
- 32. Florence Nightingale
- 33. Clara Barton
- 34. Shirley Jackson
- 35. Eileen Collins

1.	 		
2.	 	 	 

Your top picks of the woman in science that you would like to research:

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Science is Diverse: Presentation Rubric Name					
	Points Possible	Points Earned			
Content	13				
Brochure	5				
On task (daily)	10				
Teacher Evaluation	16				
Self-Evaluation	16				
Total	60				

Comments: