

University of Massachusetts Amherst

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Digital Choice Boards and Interactive Learning
Materials for Teachers and Students

Department of Teacher Education and
Curriculum Studies

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Women Discoverers: A STEM History Digital Choice Board

Torrey Trust

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Women Discoverers: A STEM History Digital Choice Board

Directions: Complete at least 3 activities in the choice board, then design a digital, physical, or board game to educate younger students about [Chicana/Latina women in STEM](#) or one of the following math/science pioneers: [Clara Barton](#), [Alice Guy-Blache](#), [Rosalind Franklin](#), or [Marie Curie](#)

[Chien-Shiung Wu](#)

Explore this [Google Arts & Culture interactive story about Wu](#), then design a social media campaign or write a proposal to encourage potential nominators to nominate Wu for a [Nobel Prize](#).



[Mae Jemison](#)

Write a tweet about Mae Jemison's impact on women in STEM today and then [tag Mae Jemison](#) in the tweet.



[Jane Goodall](#)

Create an [edible book contest entry](#) for one of [Jane Goodall's books](#).



[The Mercury 13](#)

Design a Google Doodle about the Mercury 13 and their impact on women in space today (see example [Doodle for Caroline Herschel](#)).



[Katherine Johnson](#)

Design a [podcast series](#) about [The Real Women Behind the Hidden Figures Movie](#) and their accomplishments in the Space Race.



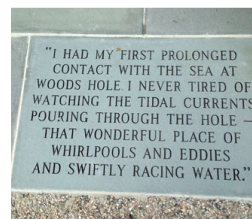
[Sally Ride](#)

Write a children's book about Sally Ride's influence on women in space today.



[Rachel Carson](#)

Design a [social media campaign](#) to inspire people to save the environment.



[Grace Hopper](#)

Code a story with [Scratch](#), [Pencil Code](#), or [Snap](#) about Grace Hopper.



[Mary Anning](#)

Explore [paleontology sites](#) and then design a replica of one using an augmented reality app (e.g., [Sandbox AR](#)) or [Minecraft](#).



[Emmy Noether](#)

Design an interactive timeline ([Sutori](#), [Canva](#), [Timeline JS](#)) that showcases Dr. Noether's influence on the past, present, and future of STEM.



[Caroline Herschel](#)

Be like astronomer Caroline Herschel and participate in a [Citizen Science Project for NASA](#).



[Elizbeth Smith Friedman](#)

Write a script for a [TED Talk](#) about Friedman's accomplishments as America's 1st female cryptanalyst.



To make your own copy of this choice board to remix/use, go to this link:

https://docs.google.com/document/d/1D1JboXsFi8RxghQur8EcabNvvyVtfAGE6pjNR_pFiQw/copy