

Women Wizards Activity Directions

1. Print out the pages that follow.
2. Cut each page along the line so that the photo and name are on one half and the description is on the other half.
3. Give each girl two nonmatching halves: one with a picture and name and one with just a description.
4. Give the girls 5 minutes to see if they can find who has their matching pieces. See how many matches the girls can make without the help of the internet.
5. Give the girls 7–10 minutes to match the names to the bios using the internet.
6. After the time is up, let each girl give a 30-second mini report on what they learned about the famous woman whose picture they are holding. There might be a few extras; some girls may go twice.
7. Have the girls tape matches on the walls of classroom for upcoming discussions.

Sheryl Sandberg



She is the chief operating officer of Facebook. She earned a degree from Harvard University in economics. She was named one of the *Time* magazine's 100 most influential people in the world multiple years.

Ada Lovelace



She lived from 1815 to 1852. She was an analyst of Charles Babbage's "analytical engine" (an early mechanical computer) and is considered the first computer programmer. There was a computer programming language named after her (Ada).

Hedy Lamarr



She lived from 1914 to 2000. She was a popular movie star during the 1940s. In 1942, she coinvented an early form of spread-spectrum broadcasting that affected naval torpedoes. Her invention helped the Allies win World War II and is used in our cell phone technology today.

Rear Admiral Grace Hopper



She lived from 1906 to 1992. She was a U.S. Navy officer and developed the first compiler for a computer programming language: So instead of writing code in 1s and 0s we can write code in English. She helped design the UNIVAC I computer, helped develop the COBOL computer language, and inspired the term “debugging” when she found a real bug (a moth) in a big computer. We now call fixing any mistake in code debugging.

Lynn Root



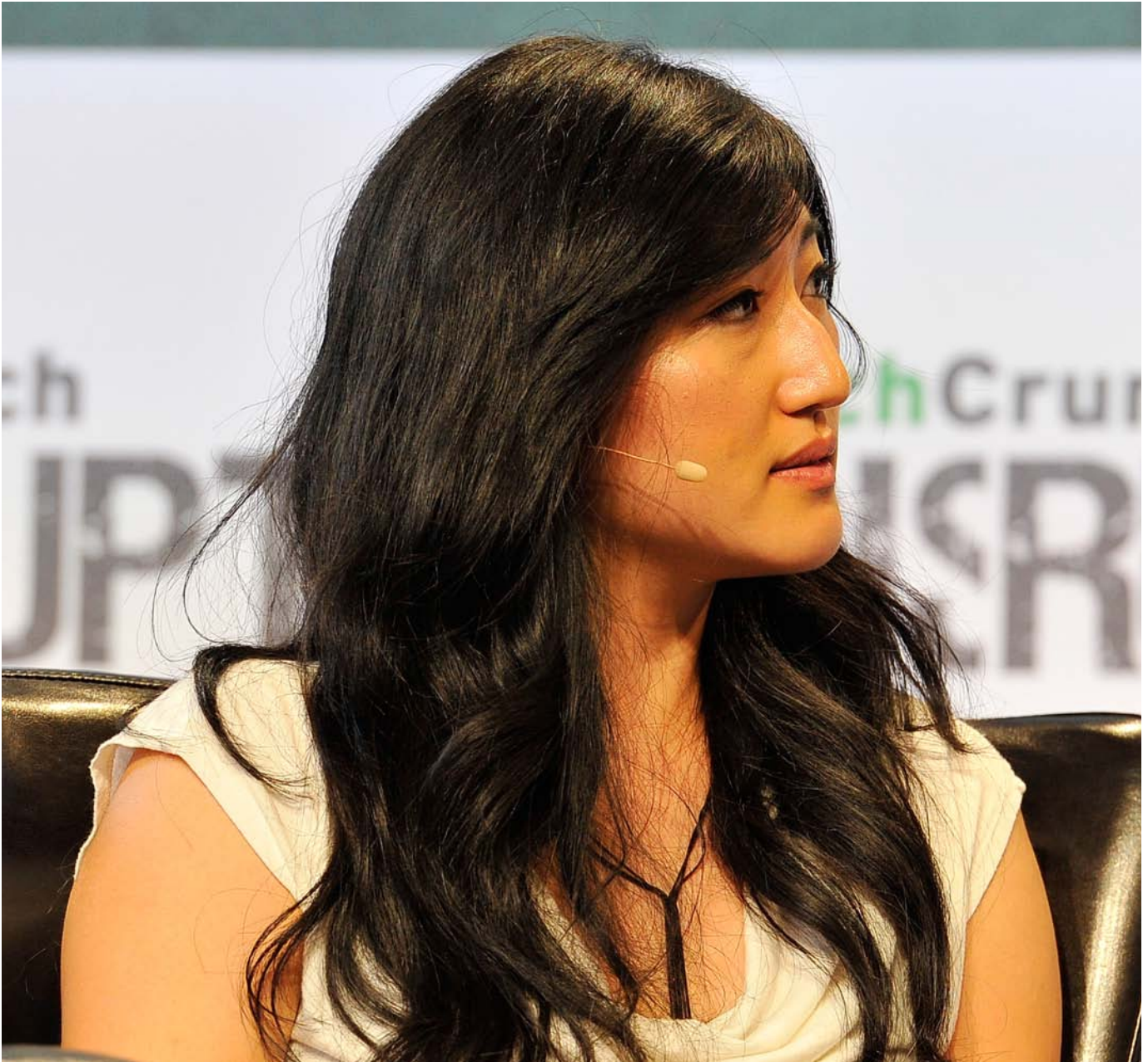
She has worked as a software engineer for Spotify. She is also the founder of PyLadies, a group of women who code in Python (a popular computer programming language). She got a degree in finance and economics from Babson College but fell in love with programming in 2011. She describes her path to engineering on her website, saying, “My journey in learning how to code isn’t over. I’m still very much a n00b, not as n00b as I once was.”

Jasmine Lawrence



She was a program manager on the Xbox engineering team at Microsoft and also works in robotics. She graduated from Georgia Institute of Technology with a degree in computer science with concentrations in devices and artificial intelligence. In school she conducted research in the field of robotics. She was the 2012–13 Ms. Georgia Tech and is a member of the National Society of Black Engineers.

Jess Lee



She got her computer science degree at Stanford University. She is the cofounder and CEO of Polyvore, an interactive fashion website.

Susan Wojcicki



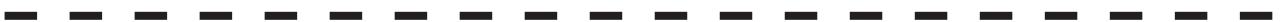
She is the chief executive officer of YouTube. She was named one of *Time* magazine's 100 most influential people multiple years. In 1999, she was the first marketing manager at Google. She is a mother of five children.

Malala Yousafzai



At the age of 17, she became the youngest-ever Nobel Peace Prize winner and is known all over the world. She is a Pakistani activist who speaks out for the education of girls and women in countries where it has been forbidden. In 2012, she survived being shot in the face by a Taliban gunman who wanted to silence her message.

Joan Clarke



She lived from 1917 to 1996 in England. She was a cryptanalyst who was best known for her work as a code breaker during World War II. She was the only woman to work at the center of the quest to crack the German Enigma cipher, which allowed Adolf Hitler to send military messages that the Allies couldn't understand. She was recently played by Keira Knightley in the movie *The Imitation Game*.

Stephanie C. Hill



She has been an executive in engineering and cyber security at Lockheed Martin. She leads thousands of employees that are responsible for areas like information systems and cyber security. She was named Lockheed's 2014 Black Engineer of the Year.

Ellen Ochoa



She became the world's first Hispanic woman in space in 1993. She earned degrees in physics and electrical engineering. She is a veteran of four space flights, logging nearly 1,000 hours in space as a mission specialist and flight engineer. Her technical assignments have included flight software and computer hardware development and robotics development, testing, and training.

Ruchi Sanghvi



Born in Pune, India, she was the first female engineer hired by Facebook. She transitioned from engineering to product management at Facebook, where she oversaw Facebook Platform and News Feed. In 2012 she joined Dropbox as vice president of operations.

Marissa Mayer



She was an engineer at Google and became chief executive officer of Yahoo in 2012 at the age of 37. She was one of only 20 female CEOs in charge of a Fortune 500 company at the time. She has a degree in symbolic systems and a master's in computer science, with a specialization in artificial intelligence, from Stanford University.