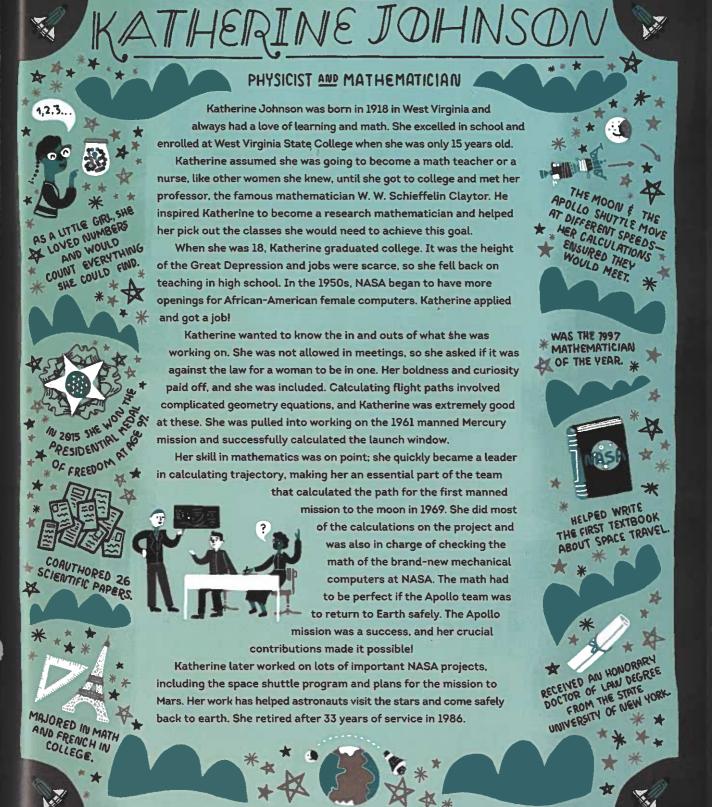


A COMPUTER PROGRAM WROTE ONE OF THE MOST IMPORTANT DOCUMENTS IN COMPUTER MISTORY S HONORED WITH ADA LOVELACE DAY. "IMAGINATION IS THE DISCOVERING FACULTY, PRE-EMINENTLY. IT IS THAT WHICH PENETRATES INTO THE UNISEEN WORLDS AROUND US, THE WORLDS OF SCIENCE."- ADA LOVELACE -





"[THE OTHER WOMEN] DIDN'T ASK QUESTIONS OR TAKE THE TASK ANY FURTHER. LASKED QUESTIONS; I WANTED TO KNOW WHY. THEY GOT USED TO ME ASKING QUESTIONS AND BEING THE ONLY WOMAN THERE."-KATHERINE JOHNSON







## IDE JEMISON



## ASTRONAUT, EDUCATOR, AND DOCTOR

Mae Jemison always knew she would go into space. She was born in 1956 in Alabama and grew up in Chicago. She was obsessed

with the Apollo missions but noticed that there was no one who looked like her going up into space. However, the fictional TV show Star Trek featured people of different genders and races working together. This had an impact on young Mae, and Lieutenant Uhura became her role model.

DID EXPERIMENTS WITH BONE CELLS \* WHILE IN SPACE.

WON A SCHOLARSHIP TO STANFORD WHEN SHE WAS 76.

WAS FEATURED ON AN EPISODE OF STAR TREK

FOUNDED "THE FARTH

WE SHARE" SCIENCE

CAMP FOR KIDS.

THE NEXT GENERATION.

Mae went to Stanford and double majored

in chemical engineering and African-American studies. She went on to Cornell and became a medical doctor. She worked in the Peace Corps in Sierra Leone and Liberia for several years. She continued working as a doctor until it was time to chase her space dream. Mae applied to NASA and became an astronaut.

In 1992, Mae Jemison became the first African-

American woman in space. On the space shuttle Endeavour, she took an Alpha Kappa Alpha sorority flag, a West African Bundu statue, and a poster of Judith Jamison dancing. She wanted African and African-American culture to be represented in space and no longer left out.

The following year, she left NASA and started numerous companies, including her own technology consulting firm, the Jemison Group Inc. Mae is the founder of the BioSentient Corporation, which creates devices that will allow doctors to monitor patients' day-to-day nervous system functions.

The technology and problem solving to get humans in space created inventions that we use today on earth. Mae was inspired by this and became principal of the 100 Year Starship project. The goal is to make sure human beings will be able to travel to the next solar system within the next 100 years. This project will also inspire new solutions to materials, recycling, energy, and fuel, just as the space race did. Dr. Mae Jemison still has her eyes on the stars while helping solve problems here on earth.

WENT ON AN EIGHT-DAY MISSION IN SPACE.

GOING TO BE AN

ASTRONAUT IN BETWEEN

GIVING MEDICAL

EXAMINATIONS.

HER DAD TAUGHT

HER HOW TO COUNT

CARDS AS A KID.

THE FIRST LANDMARK SHE DENTIFIED FROM SPACE WAS CHICAGO, HER HOMETOWN.

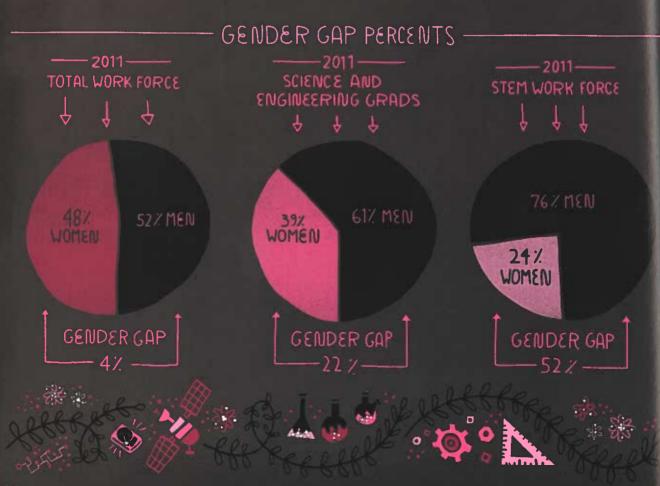




A DANCER.

## STATISTICS —IN STEM—

The US government has used the census to understand the demographics of the American workforce. The 2011 census (published in 2013) gave the world insight into how poorly women are represented in the STEM fields. From the mid-twentieth century to the new millennium, there has been a definite increase in female scientists, but women are still underrepresented in these fields. That simply won't do. There are little girls right now who could grow up to cure cancer, explore a new galaxy, or even discover a new type of energy. Let's inspire more awesome girls and women to share their point of view and make amazing discoveries!





## PERCENTAGE OF WOMEN IN STEM FROM 1970-2011

