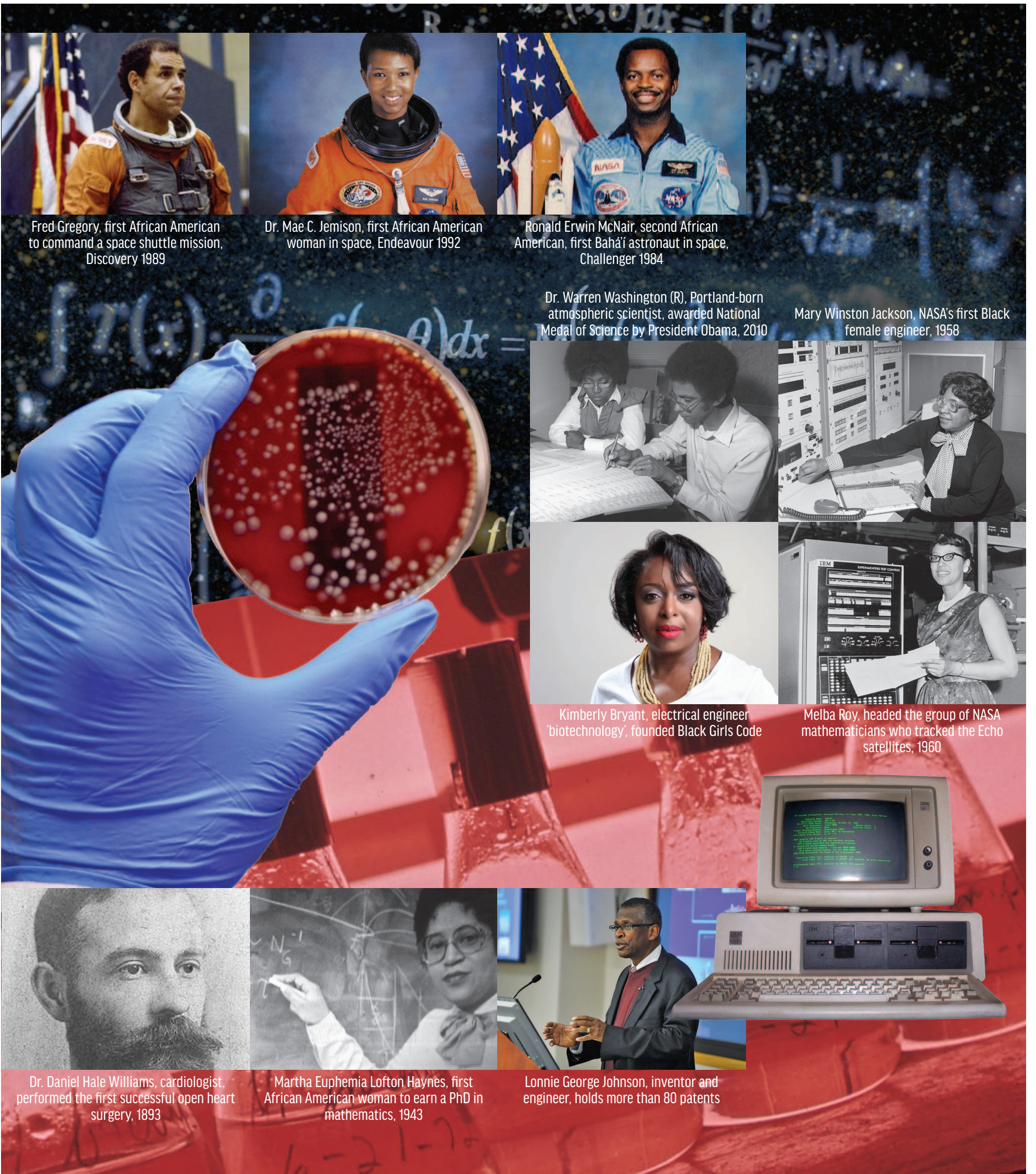


## BLACK HISTORY MONTH Special Edition

# BLACK HISTORY PIONEERS IN STEM



Fred Gregory, first African American to command a space shuttle mission, Discovery 1989



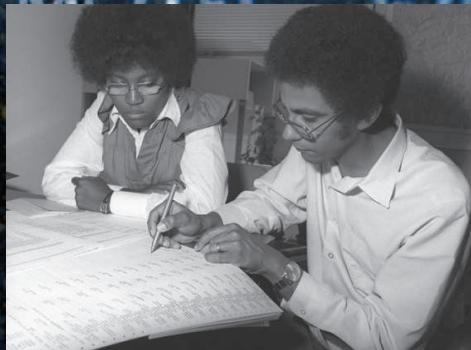
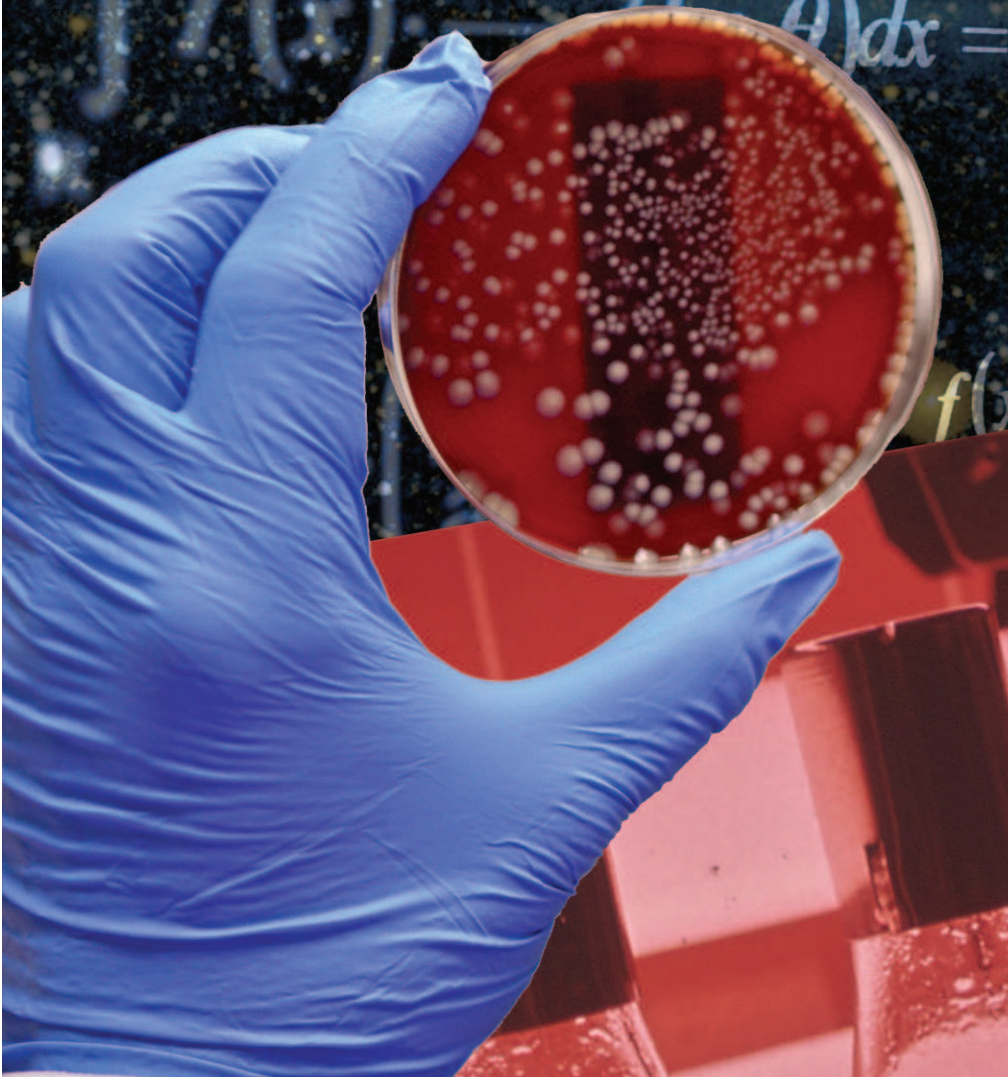
Dr. Mae C. Jemison, first African American woman in space, Endeavour 1992



Ronald Erwin McNair, second African American, first Bahá'í astronaut in space, Challenger 1984

Dr. Warren Washington (R), Portland-born atmospheric scientist, awarded National Medal of Science by President Obama, 2010

Mary Winston Jackson, NASA's first Black female engineer, 1958



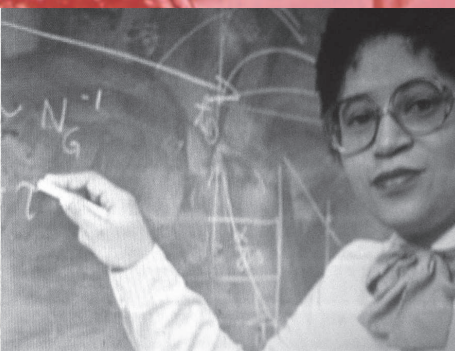
Kimberly Bryant, electrical engineer 'biotechnology', founded Black Girls Code



Melba Roy, headed the group of NASA mathematicians who tracked the Echo satellites, 1960



Dr. Daniel Hale Williams, cardiologist, performed the first successful open heart surgery, 1893



Martha Euphemia Lofton Haynes, first African American woman to earn a PhD in mathematics, 1943



Lonnie George Johnson, inventor and engineer, holds more than 80 patents

