





STEM Monthly Calendar

February 2017

Career and Technical Education & Black History Month

[Black Inventors Online Museum](#); [African American Pioneer Aviators](#); [Fact Monster](#); [Kid Activities](#); [Beat the Motion Sensor](#); [African-American Firsts in Science and Medicine](#); [Timeline of Black Women in Mathematics](#); [STEM Hands-on Activities](#); [Mathematics of the African Diaspora](#); [Black Facts](#)





	Monday	Tuesday	Wednesday	Thursday	Friday
Science	<p>**FEBRUARY 27</p> <p>1941- Dr. Charles Drew set up and ran the pioneer blood plasma bank and helped save thousands of lives during WWII.</p>	<p>**FEBRUARY 28</p>  <p>Shirley Ann Jackson is an American physicist and eighteenth president of Rensselaer Polytechnic Institute. She received her Ph.D. in nuclear physics at the Massachusetts Institute of Technology in 1973, becoming the first African-American woman to earn a doctorate at MIT.</p>	<p>1</p> <p>1926- Negro History Week Begins. What is now known as Black History Month, was first celebrated on this date as Negro History Week by Carter G. Woodson. It became a month long celebration in 1976.</p>	<p>2</p>  <p>Rick Antonius Kittles is an American biologist specializing in human genetics. He founded African Ancestry Inc. and achieved renown in the 1990s for his pioneering work in tracing the ancestry of African Americans via DNA testing.</p>	<p>3</p> <p>1981- Air Force Academy drops its ban on applicants with sickle cell trait.</p>
Technology	<p>6</p> <p>Feb 23 is 100th year anniversary of Smith-Hughes Act, the first major federal investment in secondary Career and Technical Education (CTE)</p>	<p>7</p>  <p>Kimberly Bryant founded BlackGirlsCode in 2011, a six week program that teaches basic programming concepts and gives underrepresented youths the chance to learn robotics and other technological concepts.</p>	<p>8</p> <p>1878- The phonograph is patented. This invention was the first of its kind to be able to record and reproduce sound.</p>	<p>9</p> <p>Dr. George Robert Carruthers is an African-American inventor, physicist, and space scientist that created inventions such as the ultraviolet camera or spectrograph used by NASA in the 1972 Apollo 16 flight.</p> 	<p>10</p> <p>1906- Madam C. J. Walker created a black hair products manufacturing company and placed advertisements in Black newspapers throughout the US.</p>

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Engineering	13	1961- Otis Boykin, inventor, patented the Electrical Resistor and is responsible for inventing the electrical device used in all guided missiles and IBM computers, plus 26 other electric devices including a control unit for an artificial heart stimulator.	14	 <p>Mae Carol Jemison is an American engineer, physician, and NASA astronaut.</p> <p>She became the first African-American woman to travel in space when she went into orbit aboard the Space Shuttle Endeavour on September 12, 1992</p>	15	1928- Louis Latimer dies. He began as Alexander Graham Bell's draftsman but left to join Thomas Edison to become a member of the elite Edison Pioneers research and development organization. One of Latimer's invention was the filament for Edison's light bulb.	16	 <p>Ndubisi Ezerioha also known as "Bisi" is a petrochemical engineer and pro race car driver that started Bisimoto Engineering at the age of 21. He has designed high performance engines for particular vehicle models including Porche, Honda, and Hyundai.</p>	17	2001- Dr. Mark Dean holds 3 of the original 9 patents on the computer that all PCs are based upon. He earned his PhD in Electrical Engineering in 1992 and was the first African American to be honored with an IBM Fellowship.
	Mathematics	20	1850 – Lincoln tried to square the circle which refers to the classic mathematical problem of drawing a square with the same area of a given circle using only a compass and a straightedge. It was proven impossible in 1882.	21	 <p>Evelyn Boyd Granville was the second African-American women to receive a PhD in mathematics in the US in 1949 from Yale University.</p>	22	1826- hyperbolic geometry , widely used in mathematics and physics is discovered and published.	23	 <p>Scott W. Williams is a Professor of Mathematics at the University. Dr. Williams is one of two founders of black and Third World Mathematicians (NAM)</p>	24