





# STEM Monthly Calendar

## November 2017

### Native American Heritage Month



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	Monday	Tuesday	Wednesday	Thursday	Friday
<b>Science</b>			<p>November 1</p> <p>1883: Standard time in the U.S. went into effect in order to allow railroad travel to be synchronized. Before this, time was based on local “sun” time.</p>	<p>November 2</p> <p><b>Thomas David Petite</b> of the Chippewa Nation holds 35 patents and is a renowned inventor in the area of energy conservation and technology. He developed the wireless mesh grid which led to the Smart grid that allows you remotely operate and monitor your energy usage from your mobile device.</p> 	<p>November 3</p> <p>The Smithsonian is paying tribute to the rich ancestry and traditions of Native Americans. See the schedule at and take your family for a visit.</p> 
<b>Technology</b>	<p>November 6</p> <p>1983: First computer virus was released. The virus was able to install itself (infect) the system and others systems that were attached to the original system. A year later he coined the phrase “computer virus”.</p>	<p>November 7</p> <p>1952: For the first time, major television networks used computers to predict the outcome of the presidential election between Dwight D. Eisenhower and Adlai E. Stevenson.</p> 	<p>November 8</p> <p>The sapodilla tree was a great asset to Mesoamerican Indians; they chewed the milky chicle which became today’s chewing gum.</p>	<p>November 9</p> <p><b>Susan La Flesche Picotte</b> (1865-1915), was the first Native American female doctor and gave back to her nation by building a hospital for the Omaha Nation.</p> 	<p>November 10</p> <p>Native tribes of the Northeast used sunflower oil for protection against harmful UV rays. In the Southwest, American Indians used a mixture of western wallflower and water.</p>

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<b>Engineering</b>	<p>November 13 Aeronautical Engineer <b>John Herrington</b> (Chickasaw) was the first Native American in space. Herrington logged over 330 hours in space including 3 spacewalks. To honor his heritage, Herrington brought a flute and feather on his NASA mission.</p> 	<p>November 14 <b>Sandra Begay-Campbell</b> 1962-present Navajo Nation- has spent the last decade bringing solar power to remote Navajo villages.</p> 	<p>November 15 Code Talkers were initially Navajo who developed a code for the U.S. military during World War II. Ultimately there were at least 16 First Nations people who served as Code talkers for the army, marines and navy.</p>	<p>November 16 <b>Ely Parker</b> (1828-1895) of the Iroquois Nation was an engineer with the Treasury Department. He was also with general Grant when Robert E. Lee surrendered at Appomattox.</p> 	<p>November 17 1988: The cybersecurity industry began when the first computer worm caused extensive damage. It was designed to infect systems in order to count them</p>
	<b>Mathematics</b>	<p>November 20 Geometrical patterns are common in Native American art. Navajo pottery, for example, often includes isosceles triangles.</p> 	<p>November 21 <b>Robert Eugene Megginson</b> 1948- (Oglala Sioux)- one of only a dozen known Native Americans to earn a PhD in mathematics.</p> 	<p>November 22 The nation's population of American Indians and Alaskan natives equate to nearly 5.4 million people; roughly 2% of the total population. There are over 150,000 Native Americans veterans; 27 have been awarded the Medal of Honor. Currently 23,000 serve in the US military.</p>	<p>November 23 <b>Mary Ross</b> (1908-2008) from the Cherokee nation was the first female engineer at Lockheed Martin. She worked on the U.S. race to the moon/NASA program and development of the Agena rocket.</p> 
<b>Science</b>	<p>November 27 1985: <u>Nature</u> magazine published the discovery of fullerene; a hollow, spherical molecule of carbon.</p>	<p>November 28 <b>Dr. Lori A. Alvord</b> (Navajo) – First woman surgeon, she uses traditional Navajo healing with conventional western medicine to treat the whole patient.</p> 	<p>November 29 1942: Work to create an artificial nuclear chain reaction began. The experiment was designed to support the Manhattan Project.</p>	<p>November 30 Native American agriculture is responsible for 60% of today's food supply. Make a Kahoot or Padlet to highlight Native American contributions to STEM.</p> 