




**Jane Goodall**

S

A portrait of Jane Goodall, an elderly woman with white hair, smiling. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black. A small purple circle with the letter 'S' is located in the bottom-left corner of the panel.



**Patricia Bath**

E

A portrait of Patricia Bath, a woman with dark hair, smiling. She is wearing a dark blazer and a pearl necklace. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black. A small purple circle with the letter 'E' is located in the bottom-left corner of the panel.



**Rebecca Enonchong**

T


A portrait of Rebecca Enonchong, a woman with dark hair and glasses, speaking into a microphone. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black. A small purple circle with the letter 'T' is located in the bottom-left corner of the panel.



**Maryam Mirzakhani**

M


A portrait of Maryam Mirzakhani, a woman with short dark hair, looking slightly to the side. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black. A small green circle with the letter 'M' is located in the bottom-left corner of the panel.



**Ada Lovelace**

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A portrait of Ada Lovelace, a woman in 19th-century attire, holding a book. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black. A small purple circle with the letter 'T' is located in the bottom-left corner of the panel.



**Donna Strickland**

S

A portrait of Donna Strickland, a woman with short grey hair and glasses, smiling. She is wearing a blue jacket. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black. A small purple circle with the letter 'S' is located in the bottom-left corner of the panel.

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**BORN**

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Cameroon, 1967

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**PRIMARY FIELD**

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App Development

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**CONTRIBUTIONS**

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She founded AppsTech, a US based global provider of app solutions with customers in over 40 countries. As a strong advocate for technology in Africa, she is also the founder and chairperson of the non-profit Africa Technology Forum.

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**INTERESTING FACTS**

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In 2013, she was named one of 10 female tech founders to watch in Africa by *Forbes Magazine*.

**OPTICA** Advancing Optics and Photonics Worldwide | Formerly **OSA**

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**BORN**

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United States, 1942

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**PRIMARY FIELD**

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Medicine

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**CONTRIBUTIONS**

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She became the first African-American woman to receive a patent for a medical purpose when she invented, the Laserphaco Probe, a surgical tool that uses lasers for safer, more accurate, less invasive cataract removal. She became the first African-American woman to receive a patent for a medical purpose.

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**INTERESTING FACTS**

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Known for her humanitarian work promoting eye health in poor communities, and persuaded her professors to operate on blind patients for free.

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**BORN**

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United Kingdom, 1934

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**PRIMARY FIELD**

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Anthropology

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**CONTRIBUTIONS**

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Her groundbreaking fieldwork on the behavior of chimpanzees proved that humans are not the only animals to make and use tools.

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**INTERESTING FACTS**

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She founded the Alligator Society at age 11 and has studied chimpanzee families and social groups for over 60 years.

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**BORN**

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Canada, 1959

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**PRIMARY FIELD**

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Physics

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**CONTRIBUTIONS**

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She pioneered the field of ultrafast lasers which enable and advance the fields of material processing, medicine, and communications. She was also the third woman to win the Nobel Prize in Physics.

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**INTERESTING FACTS**

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She spent her summers camping and has been a fierce advocate for women in STEM.

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**BORN**

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United Kingdom, 1815

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**PRIMARY FIELD**

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Mathematics

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**CONTRIBUTIONS**

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When she realized that an early computer prototype could be used to carry out operations beyond simple computations, she wrote and published an algorithm in the early 1800's, becoming, perhaps, the first computer programmer.

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**INTERESTING FACTS**

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In the 1940's, Alan Turing used her notes to build the first actual computers. The programming language Ada is named for her.

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**BORN**

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Iran, 1977

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**PRIMARY FIELD**

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Mathematics

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**CONTRIBUTIONS**

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A brilliant mathematician who worked on the theory of topology of complicated 3D shapes; The first woman to be awarded Fields Medal – often called Nobel Prize in Mathematics.


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**INTERESTING FACTS**

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She did not grow up wanting to become a mathematician – as a child, she loved to read and make up stories and thought she might be a writer.

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A portrait of Lyndsey Scott, a young Black woman with long dark hair, smiling. She is wearing a dark jacket and a light blue hair clip. The portrait is set within a circular frame that is part of a larger graphic design of overlapping purple, green, and black circles with small colored dots.

**Lyndsey Scott**

T



A black and white portrait of Katherine Johnson, an older woman with glasses and a white jacket. She is looking slightly to the right. The portrait is set within a circular frame that is part of a larger graphic design of overlapping purple, green, and black circles with small colored dots.

**Katherine Johnson**

M



A black and white portrait of Mary Anderson, a woman wearing a large, ornate hat and a dark dress. She is looking towards the camera. The portrait is set within a circular frame that is part of a larger graphic design of overlapping purple, green, and black circles with small colored dots.

**Mary Anderson**


E



A portrait of Ester Segal, a woman with blonde hair wearing safety glasses and blue gloves, working in a laboratory. She is holding a pipette. The portrait is set within a circular frame that is part of a larger graphic design of overlapping purple, green, and black circles with small colored dots.

**Ester Segal**


E



A black and white portrait of Mary Keller, a woman in a black and white religious habit, sitting at a control panel of an early computer. The panel has various switches and labels like 'ACCUMULATOR', 'EXCHANGE', 'MEMORY ADDRESS', 'DISTRIBUTOR', 'INSTRUCTION', 'COUNT DOWN', and 'QUOTIENT'. The portrait is set within a circular frame that is part of a larger graphic design of overlapping purple, green, and black circles with small colored dots.

**Mary Keller**

T



A portrait of Francisca Okeke, a Black woman with her hands clasped near her face, smiling. She is wearing a white collared shirt. The portrait is set within a circular frame that is part of a larger graphic design of overlapping purple, green, and black circles with small colored dots.

**Francisca Okeke**

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**BORN**

United States, 1866

**PRIMARY FIELD**

Mathematics

**CONTRIBUTIONS**

In 1903, she was awarded a patent for what eventually became the modern windshield wiper. However, by the time the auto industry picked up the device, her patent had run out and she was never compensated for its success.

**INTERESTING FACTS**

Not only an inventor, she was also a real estate developer, rancher and viticulturist who grew her own grapes.

**BORN**

United States, 1918

**PRIMARY FIELD**

Mathematics

**CONTRIBUTIONS**

As a mathematician at NASA in the 1950's and 60's, she calculated the first space flights' trajectories by hand, helping to send the first Americans into space.

**INTERESTING FACTS**

Awarded the US Presidential Medal of Freedom in 2015 and was one of the women portrayed in the book/movie *Hidden Figures*.

**BORN**

United States, 1984

**PRIMARY FIELD**

App Development

**CONTRIBUTIONS**

A mobile app developer and programmer since age 12, she invented SPEAK2SCROLL, an app that scrolls text in time with spoken words.

**INTERESTING FACTS**

She is a model for prestigious fashion houses, a mentor at Girls Who Code, and has a black belt in Taekwondo.

**BORN**

Nigeria, 1956

**PRIMARY FIELD**

Physics

**CONTRIBUTIONS**

Her research on ion currents in the upper atmosphere has contributed to the world's understanding of climate change and dramatic weather phenomena such as tsunamis.

**INTERESTING FACTS**

While raising six children, she published over 100 articles and became the first female Dean of the Faculty of Physical Sciences at the University of Nigeria.

**BORN**

United States, 1913

**PRIMARY FIELD**

Computer Science

**CONTRIBUTIONS**

The first woman to receive a PhD in Computer Science, her pioneering work contributed to the development of the BASIC computer programming language.

**INTERESTING FACTS**

She was a nun and founder of the computer science department at Clarke College in Iowa who empowered other women to enter STEM fields.

**BORN**

Israel, 1978

**PRIMARY FIELD**


Nanotechnology

**CONTRIBUTIONS**

Her work in nano-technology has produced antimicrobial packaging that extends the shelf life of food and reduces food waste, optical biosensors, and materials that advance therapeutics for cancer, Alzheimer's and more.

**INTERESTING FACTS**

She has been recognized with the Excellence in Teaching Award at the Technion every year since 2009; in 2015 she was awarded with the prestigious Yanai Prize for Excellence in Academic Education.



**Marjorie Lee Browne**

M


A black and white portrait of Marjorie Lee Browne, a woman with dark, curly hair, wearing a dark jacket and a pearl necklace. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black, with small colored dots on the lines.



**Marie Curie**

S

A black and white portrait of Marie Curie, a woman with light-colored, wavy hair, wearing a dark, patterned top. She is resting her head on her hand. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black, with small colored dots on the lines.



**Edith Clarke**

E


A black and white portrait of Edith Clarke, an older woman with short, wavy hair and glasses, wearing a dark top. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black, with small colored dots on the lines.



**Tu Youyou**

S

A color portrait of Tu Youyou, a woman with dark hair and glasses, wearing a yellow and purple scarf over a dark top. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black, with small colored dots on the lines.



**Hedy Lamarr**

T

A black and white portrait of Hedy Lamarr, a woman with dark hair, wearing a striped top. She is resting her hand on her head. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black, with small colored dots on the lines.



**Laura Bassi**

M

A color portrait of Laura Bassi, a woman in 18th-century attire, including a white and red dress and a blue shawl. She is seated at a desk with books. The portrait is set within a circular frame that is part of a larger graphic design consisting of several overlapping, concentric circles in purple, green, and black, with small colored dots on the lines.

**BORN**

United States, 1883

**PRIMARY FIELD**

Electrical Engineering

**CONTRIBUTIONS**

In what would later be recognized as the first steps towards smart grid technology, she developed the Clarke calculator that allowed engineers and analysts to understand long transmission lines.

**INTERESTING FACTS**

A pioneer in the field, she was the first female professor of electrical engineering and the first woman to deliver a paper at the American Institute of Electrical Engineers.

**BORN**

Poland, 1867

**PRIMARY FIELD**

Physics and Chemistry

**CONTRIBUTIONS**

For her discoveries of radium and polonium, she became the first woman to win a Nobel Prize in Science and the only person to win Nobel Prizes in two science fields: Physics (1903) and Chemistry (1911).

**INTERESTING FACTS**

She spent most of her life in France, developed a mobile x-ray machine for use in field hospitals and drove an ambulance in WW1.

**BORN**

United States, 1914

**PRIMARY FIELD**

Mathematics

**CONTRIBUTIONS**

In 1949, she became only the third African-American woman to earn a doctorate in the field of mathematics. An early advocate for computer science, she brought the first computer to an historically black college.

**INTERESTING FACTS**

Prior to securing a university position, she worked with secondary school mathematics teachers, with a primary focus on encouraging math education for minorities and women.

**BORN**

Italy, 1711

**PRIMARY FIELD**

Mathematics

**CONTRIBUTIONS**

An early proponent of Newtonian Physics, she was the first woman to receive a PhD in sciences and the first woman ever to hold a university chair in a scientific field at a European university.

**INTERESTING FACTS**

There is a 31 km crater on Venus named for her.

**BORN**

Austria, 1914

**PRIMARY FIELD**

Encryption, Entrepreneurship

**CONTRIBUTIONS**

With no formal engineering training, she invented the wireless technology that is the foundation for modern Bluetooth and WI-FI technology.

**INTERESTING FACTS**

Best known as an actress and film producer, she acted in over 30 films; her frequency hopping patent expired before the cyber-security method was widely adopted.

**BORN**

China, 1930

**PRIMARY FIELD**

Chemistry

**CONTRIBUTIONS**

50 years after her discovery of the malaria drug artemisinin, which has saved millions of lives, she became the first Chinese woman to win a Nobel Prize in physiology and medicine in 2015.

**INTERESTING FACTS**

At the age of 16, after spending 2 years unable to go to school because of tuberculosis, she decided to become a scientist and find cures for diseases.

**Mae Jemison**

E

**Sophie Germain**

M

**Marija Strojnik**

E

**Asima Chatterjee**

S

**Annie Easley**

T

**Emmy Noether**

M

**BORN**

Slovenia, 1950

**PRIMARY FIELD**

Astrophysics

**CONTRIBUTIONS**

She developed an autonomous system for optical navigation that is used in most all modern commercial aircraft, satellites, and many spacecraft, including the NASA Cassini Mission to Saturn.

**INTERESTING FACTS**

She has proposed methods for the construction of an observatory on the far side of the moon for extrasolar planetary detection.

**BORN**

France, 1776

**PRIMARY FIELD**

Philosophy

**CONTRIBUTIONS**

With very little formal education, her work in number theory and elasticity proved foundational for later developments in the field.

**INTERESTING FACTS**

She studied against the wishes of her family, reading books and corresponding with famous mathematicians, and published under the male pseudonym Monsieur LeBlanc.

**BORN**

United States, 1956

**PRIMARY FIELD**

Engineering

**CONTRIBUTIONS**

An American engineer, physician and NASA Astronaut, she became the first black woman to travel into space as a mission specialist aboard the Space Shuttle Endeavor.

**INTERESTING FACTS**

She was the first real astronaut to appear on Star Trek, and choreographed and produced modern jazz and African dance performances.

**BORN**

Germany, 1882

**PRIMARY FIELD**

Mathematics

**CONTRIBUTIONS**

The mathematical theorem named after her uses symmetry and conservation laws, and helped guide the development of modern physics.

**INTERESTING FACTS**

Her theorem has been called the most beautiful theorem in the world. Despite her work and recognition, she frequently had unpaid positions.

**BORN**

United States, 1933

**PRIMARY FIELD**

Computer Engineering

**CONTRIBUTIONS**

First as a human computer, and later as a computer programmer, her work contributed to making both modern space flight and battery systems for vehicles possible.

**INTERESTING FACTS**

Of 2,500 employees at NASA at the time, she was the only African American woman.

**BORN**

India, 1917

**PRIMARY FIELD**

Organic Chemistry

**CONTRIBUTIONS**

As an organic chemist, she studied medicinal properties of Indian plants; her work contributed to developing drugs that treat epilepsy and malaria.

**INTERESTING FACTS**

She was the first woman to receive a PhD from an Indian university as well as the first woman appointed as the general president of the Indian Science Congress.