

# THE WEEK **Junior** | **SCHOOLS**

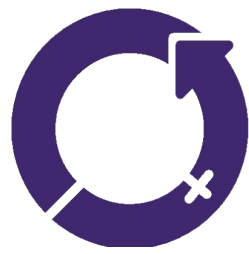


## International Women's Day

**Better the balance, better the world**

**Celebrating the achievements of inspiring women across the world**

**#BalanceforBetter**



## Anne-Marie Imafidon

### Mathematician

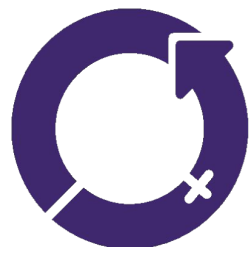


“ Literally everything you can think of, from your shoes to food, is a STEM. ”

#### KEY FACTS

- Youngest girl ever to pass A-Level computing, which she took aged 11.
- She's on a mission to encourage more girls to study STEM subjects.
- In 2013 Imafidon set up an organisation called Stemettes.
- She wants to change the way women in science are viewed.

Find out more here: <https://bit.ly/2ShkXFJ>



## Hedy Lamarr

### Inventor and actress



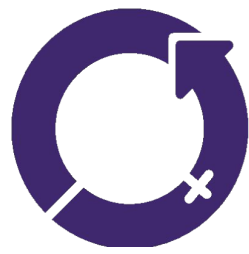
#### KEY FACTS

Hedy Lamarr was a film star who – during the Second World War – came up with a system which today is used for WiFi, Bluetooth and more.

- In 2009, the value of all objects that use her invention was an estimated £124 million.
- When a billionaire wanted his planes to fly faster he asked Lamarr to help him. She took inspiration from the natural world and made them curvier and more aerodynamic.
- In 1997, when Lamarr was in her 80s, she received the prestigious Bulbie Gnass

“ My face has been my misfortune. ”

Find out more here: <http://bit.ly/2EEdVap>



## Jocelyn Bell Burnell

### Astrophysicist

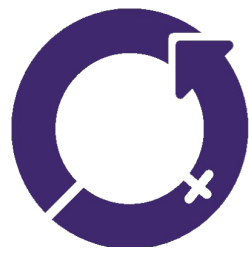
#### KEY FACTS

the objects that are created when giant stars die.

- Burnell's male supervisor won a Nobel Prize for her discovery; some say this is because he would have directed the research, others that it is evidence of sexism.
- She is the first ever female president of the Institute of Physics.
- In 2018, Burnell was awarded a Breakthrough Prize worth £2.3 million, and is giving all this money away to help women, refugees and those from minority backgrounds to become physics researchers.

Find out more here: <http://bit.ly/2Vx9rrQ>

“ It was the astronomy [books] that actually got my attention. ”



## Lise Meitner

### Physicist



“ Science makes people reach selflessly for truth and objectivity...”

#### KEY FACTS

• Meitner contributed to the discovery of nuclear fission (splitting atoms to release

• Her vital contribution to this scientific breakthrough was never credited by her fellow

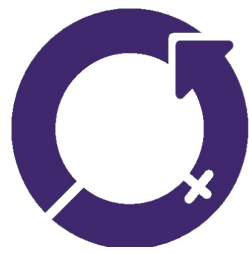
researcher, Otto Hahn, who was awarded a Nobel prize for chemistry in 1944.

• She was the second woman ever to receive a doctorate degree from the University of Vienna.

• In 1938, while working in Berlin, Germany, Meitner was forced to flee to Sweden due

Find out more here: <http://bit.ly/2T61ltz>





## Jennifer Doudna

### Biochemist

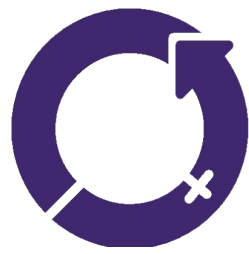
#### KEY FACTS

an easy way to change DNA called CRISPR-Cas9.

- She realised that editing DNA was possible when she was cooking spaghetti.
- Her discovery means that in the future it may be possible to protect babies from certain diseases and to stop mosquitos spreading malaria.
- Doudna wants the technique to be used responsibly and says there should be

“ The power to control our species' genetic future is awesome and terrifying. ”

Find out more here: <http://bit.ly/2tHbOg1>



## Ada Lovelace

### Computer programmer

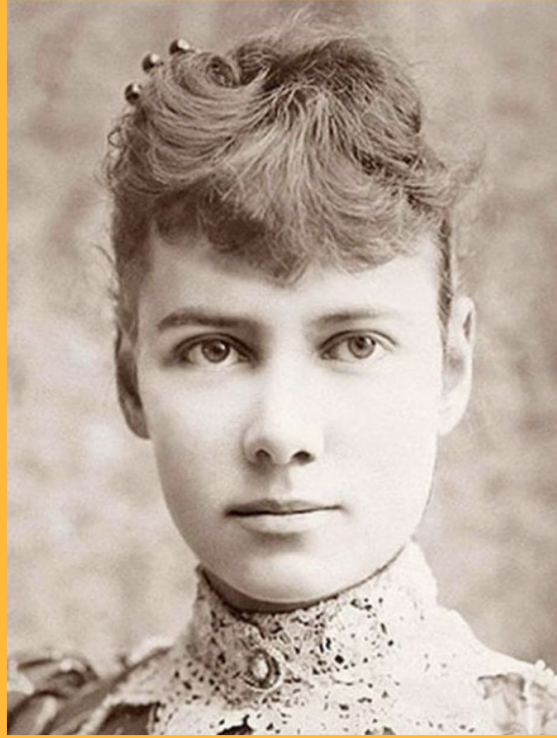
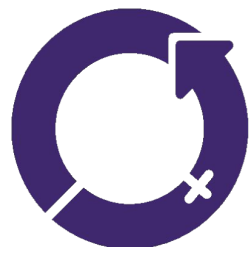
#### KEY FACTS

- As a child in the early 19<sup>th</sup> century, Lovelace studied mathematics and
- Lovelace worked with Charles Babbage, the inventor of the “Analytical Engine” who is now known as the Father of the Computer.
- She wrote what has been described as the first ever computer program; a step by-step guide describing how a machine could sequence a series of numbers.

“ I never am really satisfied that I understand anything; because [it] can only be [a] fraction of all I want to understand. ”

Find out more here: <http://bit.ly/2SDckFC>

pictures and help humans with scientific research.



“ I said I could and  
I would. And I did. ”

## Nellie Bly Journalist

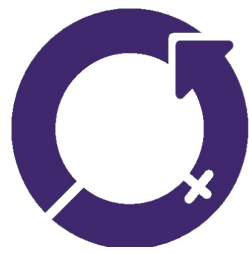
### KEY FACTS

- After reading a newspaper article about women only being useful in the home, she became the editor of the newspaper and was given a full-time job.
- Revealed poor working conditions in factories, corruption (dishonesty) in government.
- Went undercover in a female asylum (mental hospital), pretending to be ill, and was appalled to discover the filthy conditions and abusive treatment of patients.
- In 1889 she set off on a journey that took her around the world alone in just 72 days.

Find out more here: <http://bit.ly/2BWofJq>

At that time it was usual for a woman to be accompanied by a man.





## Liz Bonnin

### TV Presenter



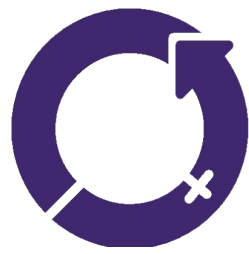
#### KEY FACTS

BBC One documentary *Drowning in Plastic* will inspire everyone to reduce plastic pollution.

- At school, Bonnin loved biology and chemistry, and afterwards studied biochemistry.
- She is hopeful about the role young people play in clearing up the planet, and believes they are leading the charge.

“It is important to find your passion in life.”

Find out more here: <http://bit.ly/2SD4U5z>



## Lucy D'Orsi

### Police Officer

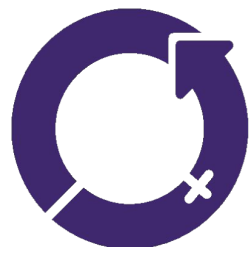


#### KEY FACTS

- Highest ranking officers in London's Metropolitan Police.
- Organises security for the royal family, politicians and airports as well as events such as the city's New Year celebrations.
- She says the qualities that make a good police officer are compassion, resilience and being able to communicate with people.
- In 2018, the Met celebrated 100 years since the first female police officers being took

“ If you're looking for a profession that is different and you can enjoy every day, then policing is definitely a career you should consider. ”

Find out more here: <http://bit.ly/2tH2PeN>



## Michelle Obama

### Former First Lady of the US

- Obama used her high profile position to speak up for what she

#### KEY FACTS

- Obama called for an end to gun violence in the US, and education.
- She believes education and learning is a key to success from an early age.
- Obama went to one of the best universities in the US and had a successful career as a lawyer.
- In 2009, she visited a girls' school in North London, and invited some

“ I loved getting As. I like being smart ... I thought being smart was cooler than anything in the world.”

Find out more here: <http://bit.ly/2Vu9Lb2>

them to the White House.



## Dr Jane Goodall

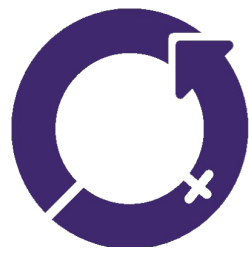
### Primatologist

#### KEY FACTS

“ I was eventually able to help scientists understand that there was not – as I was first taught – a difference in kind between us and other animals. ”

- Primates, a group of mammals including humans and monkeys
- Created a unique bond with chimpanzees by earning their trust.
- in 1961 she disproved the theory that chimpanzees are vegetarians when she observed them eating meat. She also discovered that they make and use tools.
- She strongly believed and eventually demonstrated that chimps have personalities.
- In 1991 she set up Roots & Shoots, a programme that encourages young people to work on projects to improve the world for humans, animals and the environment.

Find out more here: <http://bit.ly/2EoDpre>



“ The fact that I am seen as a bit different in some respects I realise, on some occasions, makes young people think: ‘I could have a go,’ or: ‘I might try, I feel different but I might try’ ”

## Cressida Dick

### Commissioner of the Metropolitan Police

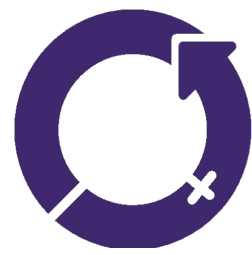
- Dick is the first woman ever to take charge of London's main police

#### KEY FACTS

- She oversees a workforce of almost 49,000 people.
- Studied agriculture at Oxford University, then took a master's degree in criminology at Cambridge where she received the highest marks in her class.
- She joined the police in 1983. Before becoming Commissioner in 2017 her

Find out more here: <http://bit.ly/2XsoHlm>  
Olympics.





## All about women's suffrage

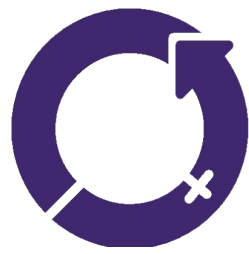
It is only just over 100 years since women were given the right to vote, thanks to the campaigns of the suffragists and the suffragettes.



### Find out about:

- The battle for gender equality, both past and the present.
- How women gained more rights over time.
- Women in the House of Commons.
- Why they're still fighting today.

Find out more here: <http://bit.ly/2H5yQ8a>



## All about women in the Metropolitan Police

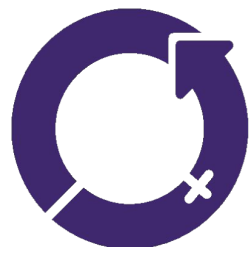
In celebration of 2019's centenary of female police officers serving in the Metropolitan Police, learn about the history of the Met, its makers and more.



### Find out about:

- How the Met has changed over the past 100 years.
- Women's early involvement in the Metropolitan Police Force.
- The role female police officers have played in the Met over the past hundred years.
- The Met's campaign to increase the number of women working in the force today.

Find out more here: <http://bit.ly/2E096f1>



## All about feminism

**Feminism means women having the same rights, opportunities and choices as men.**



### Find out about:

- How women have fought for their rights throughout history.
- Feminist icons in history.
- Men's involvement in feminism.
- Why feminists disagree on the definition of feminism.



Find out more here: <http://bit.ly/2Uf2YBI>