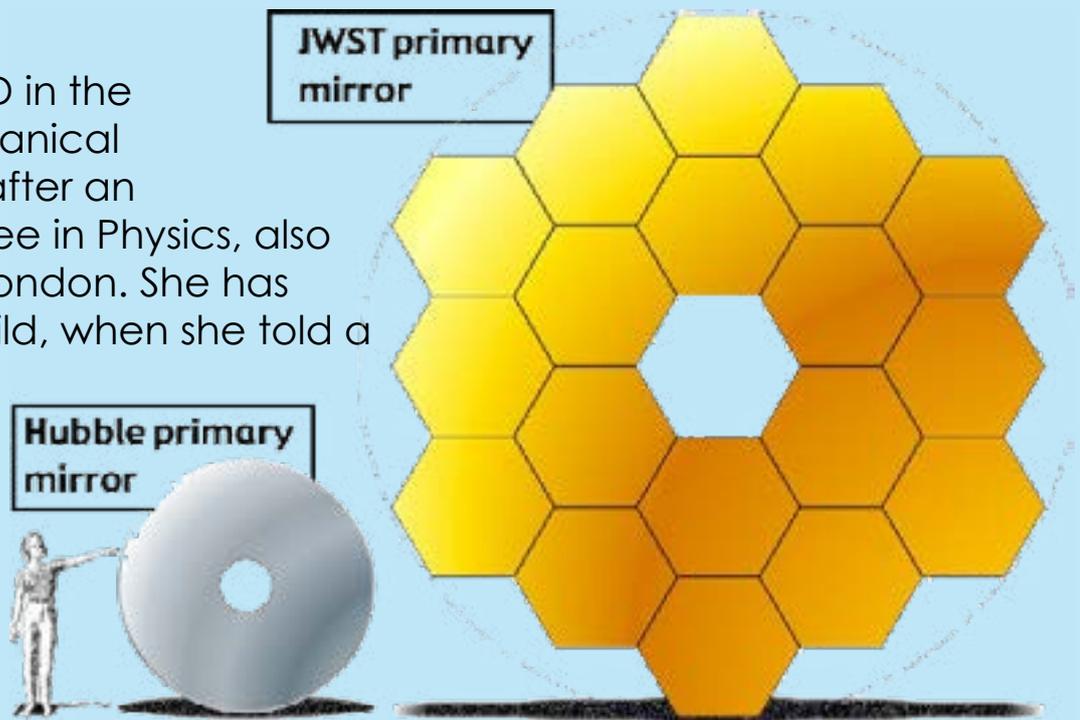


Maggie Aderin-Pocock MBE:

British Space Scientist and Science Educator. She is an Honorary Research Associate of University College London's Department of Physics and Astronomy.

She completed a PhD in the Department of Mechanical Engineering in 1994, after an undergraduate degree in Physics, also at Imperial College London. She has dyslexia and, as a child, when she told a teacher she wanted to be an astronaut, it was suggested she try nursing, "because that's scientific, too"



See her on TV: She co-presents "The Sky at Night" the long-running astronomy television programme on BBC4 <https://www.bbc.co.uk/programmes/b006mk7h> She also works on the James Webb Space Telescope which is due for launch next year and will take over from the Hubble Space Telescope



Neil deGrasse Tyson

American astrophysicist, cosmologist, planetary scientist, author, and science communicator. He is active on social media and is a great orator, sharing his knowledge in an accessible way to physicists and non physicists alike.

Follow him on twitter:

https://twitter.com/neiltyson?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor

Here he is explaining why the sky is blue:

<https://www.youtube.com/watch?v=UvmWxm3nR6E>



Or if you prefer explaining the Universe while eating spicy chicken wings:
<https://www.youtube.com/watch?v=Da8-QfGemgo>

Katherine Johnson

Kathryn Johnson, who sadly died this year, was a key part in doing calculations that helped synch Project Apollo's Lunar Module with the lunar-orbiting Command and Service Module. She also worked on the Space Shuttle. <https://time.com/5789752/katherine-johnson-nasa-race/>

Watch the brilliant film about NASA mathematicians Katherine Johnson, Dorothy Vaughan and Mary Jackson cross gender and race lines to help launch astronaut John Glenn into space. Here is the trailer:

<https://www.youtube.com/watch?v=5wfrDhgUMGI>

Or you could read the book!



The Z Files

Benjamin Zephaniah, writer, poet and star of Peaky Blinders interviews 5 black scientists including an engineer who gave up her life in to become an MP:

Some of the most world-changing and transformative Mathematical Innovations have been made by Black and Asian mathematicians, yet they don't seem to be as celebrated and well known as their White counterparts. Therefore, your task, over the Summer break (and beyond) is help us change that.



<https://www.youtube.com/playlist?list=PL6013F9BDAEF6F471>



The Z Files: Chi Onwurah

Poet and writer Benjamin Zephaniah interviews Chi Onwurah, an Engineer and MP with a deep love for...



The Z Files: Dr Maggie Aderin-Pocock

Dr Maggie Aderin-Pocock shares her childhood memories of wanting to be a space scientist with the...



The Z Files: Jon Chase

Poet and writer Benjamin Zephaniah interviews Jon Chase about his passion for communicating science to...



The Z Files: Professor Geoff Palmer

From grain to whisky, poet and writer Benjamin Zephaniah interviews Professor Geoff Palmer...



The Z Files: Tony Waithe

British inventor Tony Waithe shares his passion for design and innovation with the poet Benjamin...



Street Science with Jon Chase

How do you get an egg into a glass bottle without touching it? Jon Chase gives us a lesson in...

Alice Ball

Alice Ball was a chemist who at the age of 23 developed the “Ball Method”, the most effective treatment for leprosy during the early 20th century. Sadly, she died aged 24 and her work was claimed by another scientist who was given recognition for it and went on to become the President of the University of Hawaii. He later corrected injustice.

In 2019 the London School Hygiene and Tropical Medicine added her name to the frieze on its main building, alongside Florence Nightingale and Marie



More things to do in the summer:

July 13th- 17th July

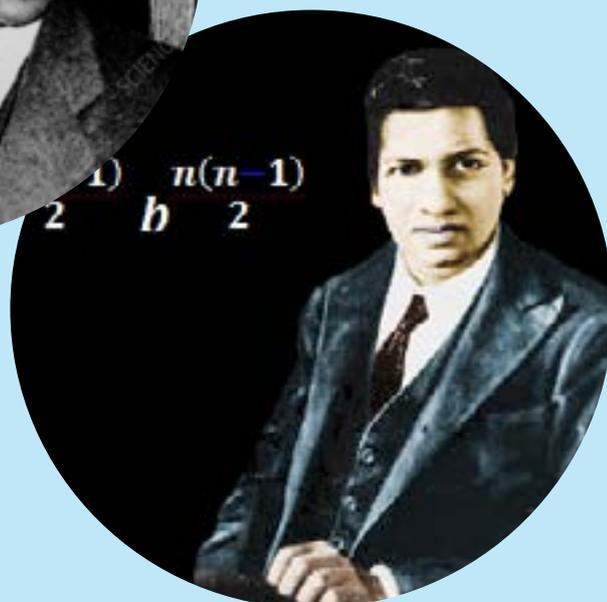
Live and pre-recorded talks and videos, our online-only programme brings you a free celebration of cutting-edge and historic science, all to enjoy at home.

<https://royalsociety.org/science-events-and-lectures/2020/summer-science-online/>

Rodillian Maths and Science departments hope you have a safe and happy summer holiday and challenge you to research these very important mathematicians and scientists: Produce a poster/PowerPoint so we can display your work

**Dr Gladys Mae West (née Brown), Subrahmanyan Chandrasekhar, Srinivasa Ramanujan, Dr Percy Julian
Dr J Ernest Wilkins Jr**

Produce a poster/PowerPoint so we can display your work



**No black scientist has yet won a Nobel prize for Science. Let's hope that the 21st Century changes that to truly reflect our diverse and multicultural world.
#BlackLivesMatter #StandUpToRacism**