SESI PENGKAYAAN ILMU

‘WORK FROM HOME’ SIRI 3

SAYA SUKA MEMBACA

SEKSYEN PEMBANGUNAN SUMBER & KATALOG,

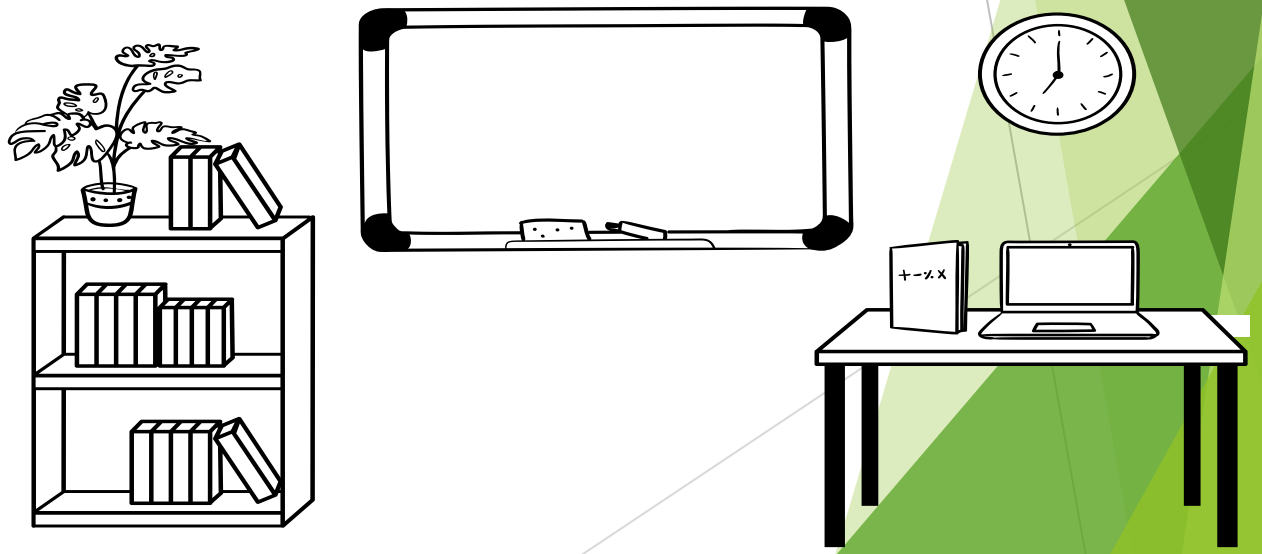
PERPUSTAKAAN SULTANAH ZANARIAH,

UTM JOHOR BAHRU, JOHOR

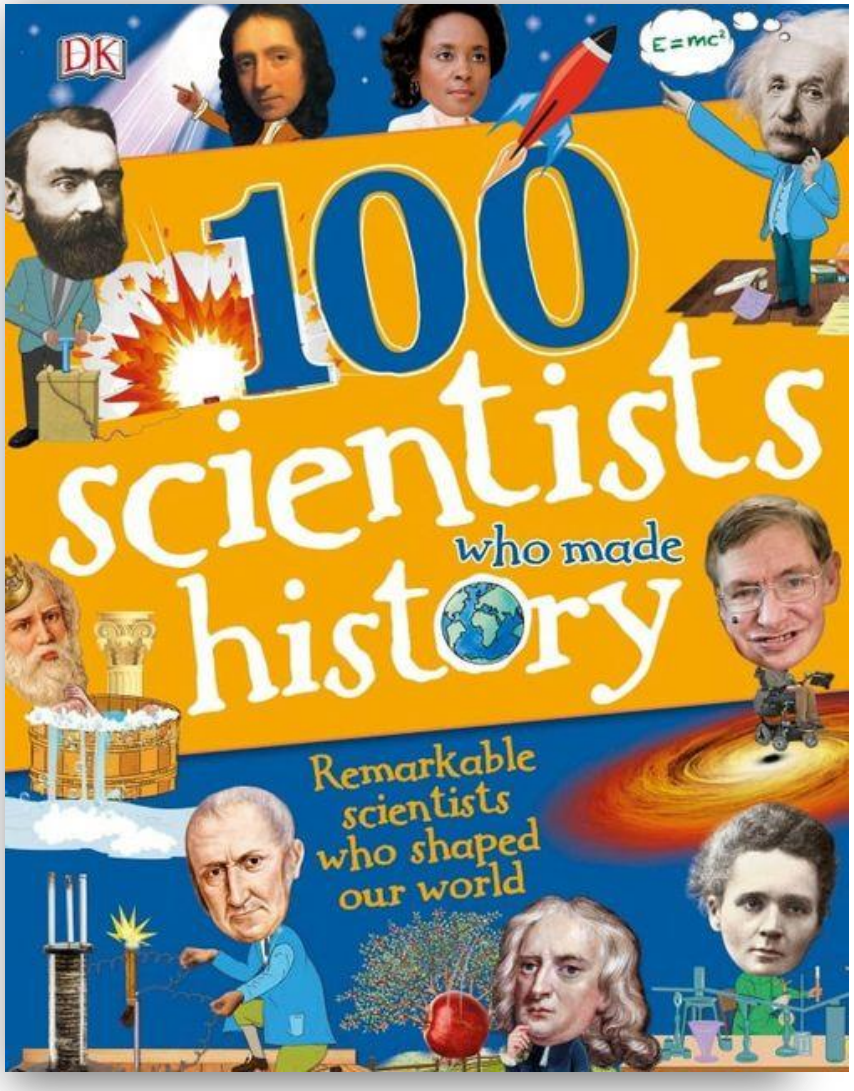
2022

ULASAN BUKU 1

- NURFARAHIN JASMINE SEE ABDULLAH
- PEMBANTU PUSTAKAWAN
- UNIT KATALOG
- SEKSYEN PEMBANGUNAN SUMBER & KATALOG



SESI ULASAN BUKU



JUDUL : 100 SCIENTISTS WHO MADE HISTORY: REMARKABLE SCIENTISTS WHO SHAPED OUR WORLD

PENULIS : ANDREA MILLS AND STELLA CALDWELL

ISBN : 978–0–2413–0432–7

PENERBIT : DORLING KINDERSLEY LIMITED

.

TAHUN TERBIT : 2018

HARGA : RM73.81

BAHASA : INGGERIS

MUKASURAT : 128 MUKASURAT ; HARDBACK

BIL. BAB : 5

PUBLICATION CITY/COUNTRY : LONDON / UNITED KINGDOM

Table of contents:

4: Phenomenal physicists

1: Leonardo da Vinci
2: Nicolaus Copernicus
3: Galileo Galilei
4: Johannes Kepler
5: Christiaan Huygens
6: Edmond Halley
7: Henriette Swan Leavitt
8: Isaac Newton
9: James Clerk Maxwell
10: Ernest Rutherford
11: Albert Einstein
12: J Robert Oppenheimer
13: Penzias and Wilson
14: Quantum physicists
1: James Chadwick
2: Werner Heisenberg
3: Subrahmanyan Chandrasekhar
4: Richard Feynman
5: Peter Higgs
15: Edwin Hubble
16: Vera Rubin
17: Stephen Hawking

5: Incredible inventors

1: James Watt
2: Rudolf Diesel
3: Computing creatives
1: Ada Lovelace
2: Grace Murray Hopper
3: John von Neumann
4: Anne Easley
5: Tim Berners-Lee
4: Wilhelm Rontgen
5: C V Raman
6: Nikola Tesla
7: Joseph Lister
8: Alan Turing
9: Alfred Nobel
10: Ali Javan
11: Rachel Carson
12: Communicators
1: David Attenborough
2: Carl Sagan
3: Dava Sobel
3: Bill Nye
4: Neil DeGrasse Tyson

SINOPSIS

100 SCIENTISTS WHO MADE HISTORY: REMARKABLE SCIENTISTS WHO SHAPED OUR WORLD

From brainy biologists and clever chemists, to magnificent mathematicians and phenomenal physicists. Discover 100 remarkable scientists who shaped our world.

Containing a universe of knowledge, this amazing kids' educational book tells the story of the extraordinary people who revolutionised our understanding of the world. A stunning way for children to meet science's most important people.

Read through information-packed mini-biographies of 100 brilliant scientists and innovators who have shaped our society and how we see the world around us. A perfect "everything you want to know in one place" about the history of science for children aged 8-12.

Readers learn about discoveries that laid the groundwork for some of the most impressive innovations in history. Biologists, chemists, physicists, doctors, coders and astronauts are all featured including Hippocrates, Da Vinci, Alan Turing, Stephen Hawking, Neil deGrasse Tyson, and more.

An attractive and engaging kids book that may inspire the next Einstein or Curie! Made for those always curious children and those who need encouragement to aspire to greatness and see the marvels of science.

SINOPSIS

100 SCIENTISTS WHO MADE HISTORY: REMARKABLE SCIENTISTS WHO SHAPED OUR WORLD

Put children inside the minds of scientific heroes through clever speech bubbles alongside portraits with first-person fun facts about their lives. It's a cool way to personalise these incredible people and engage children while giving them a solid base in science.

Did you know that Marie Curie's notebooks are still radioactive? They're too dangerous to touch and even glow! And Louis Pasteur, who furthered the development of vaccinations and more, liked to paint in his spare time? Who knew!

Learn About The Minds Who Shaped The World!

Dive into the world of theories and experiments, reactions and equations, as we meet the figures who have helped us understand our universe and our place in it. Find out why Copernicus shook the world, what elements Marie Curie discovered, and how Franklin, Crick and Watson unlocked the secrets of our DNA.

SINOPSIS

100 SCIENTISTS WHO MADE HISTORY: REMARKABLE SCIENTISTS WHO SHAPED OUR WORLD

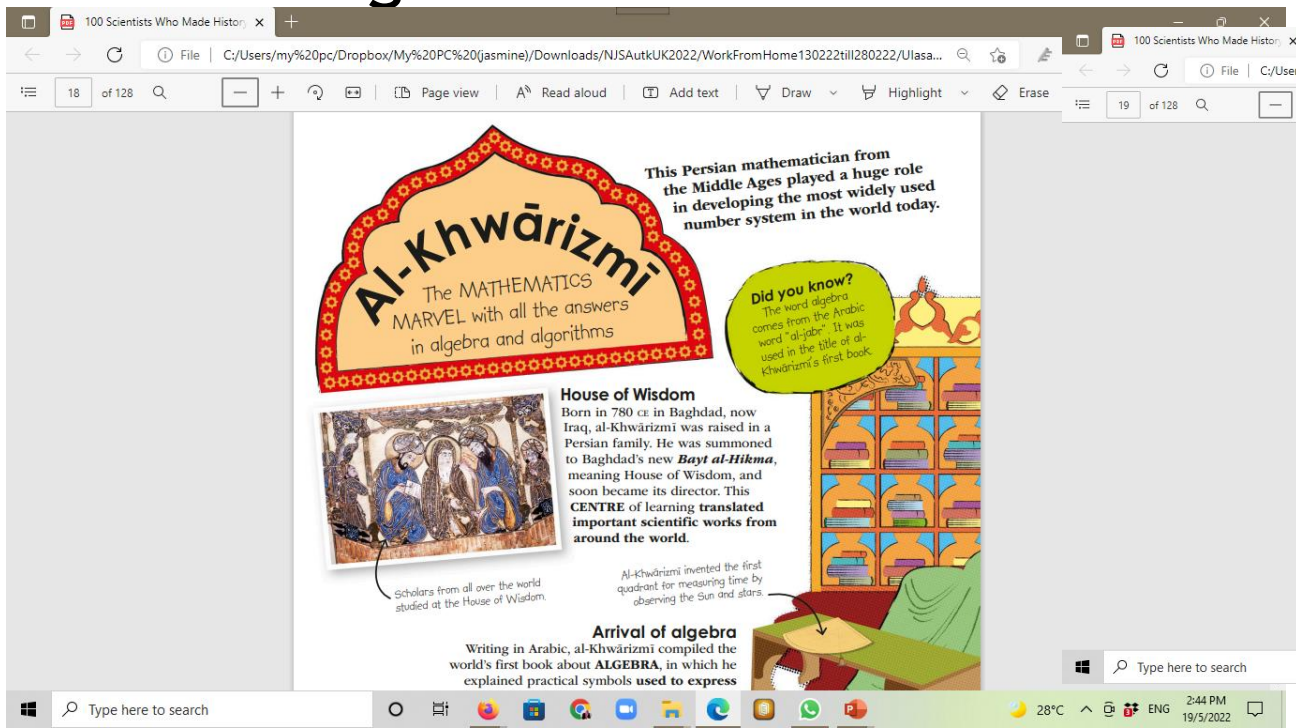
It's divided into Pioneers, Biologists, Chemists, Physicists, and Innovators, whose innovations have changed the world and continue to change it now. Discover amazing facts about the world and the people behind some of humanity's most impressive advancements.

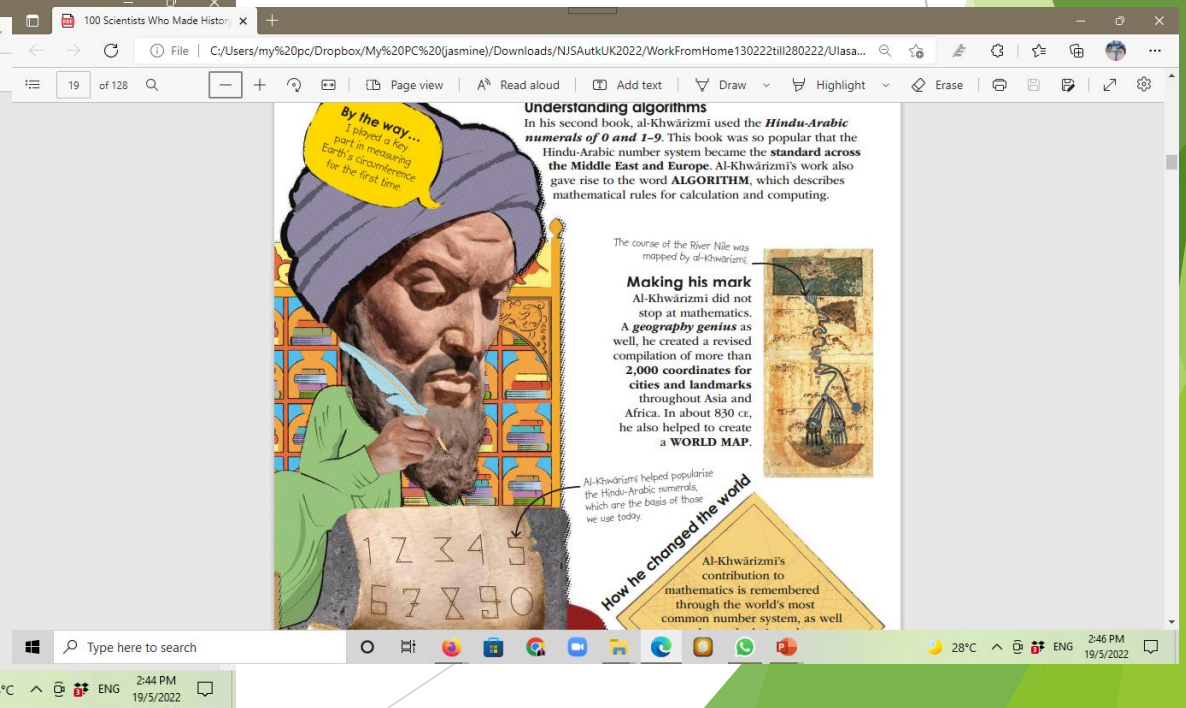
Some of the amazing trailblazers you'll meet:
- Alan Turing
- Marie Curie
- Barbara McClintock
- Leonardo da Vinci
- And so many more!

This fabulous title is one of five children's books in the 100 In History series. Add 100 Women Who Made History, 100 People Who Made History, 100 Events That Made History, and 100 Inventions That Made History to your bookshelf and learn more about the significant people, events and inventions that shaped the world we live in today.

1: Perceptive pioneers

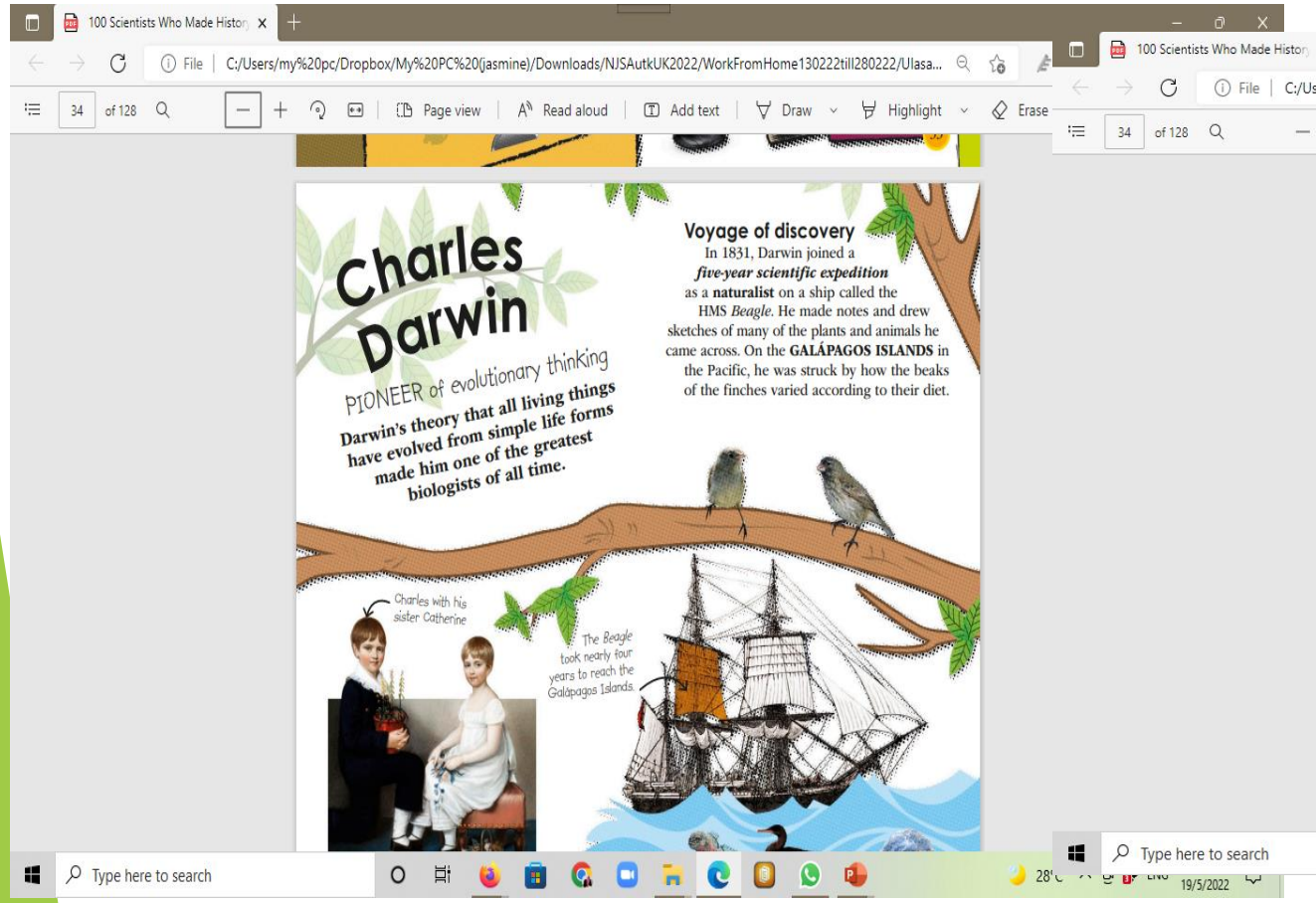
: The story of science begins in ancient times when religion and superstition were commonly held beliefs. Trailblazing thinkers challenged convention, breaking ground with theories based on observation, logic, and reason. As centuries passed, new pioneers wrote their own chapters in the history of scientific progress, bringing us a greater understanding of the natural world.





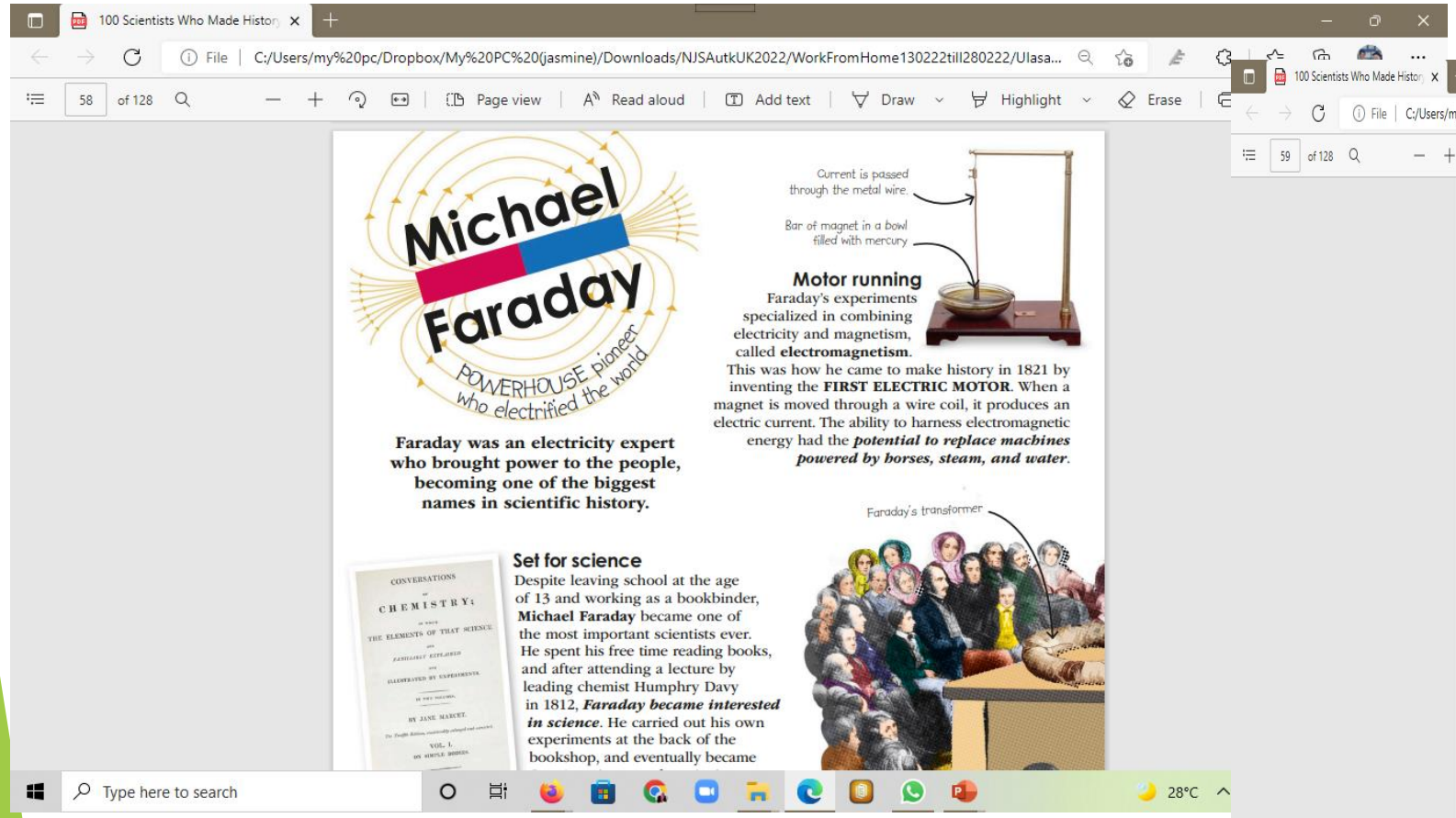
2: Brilliant biologists

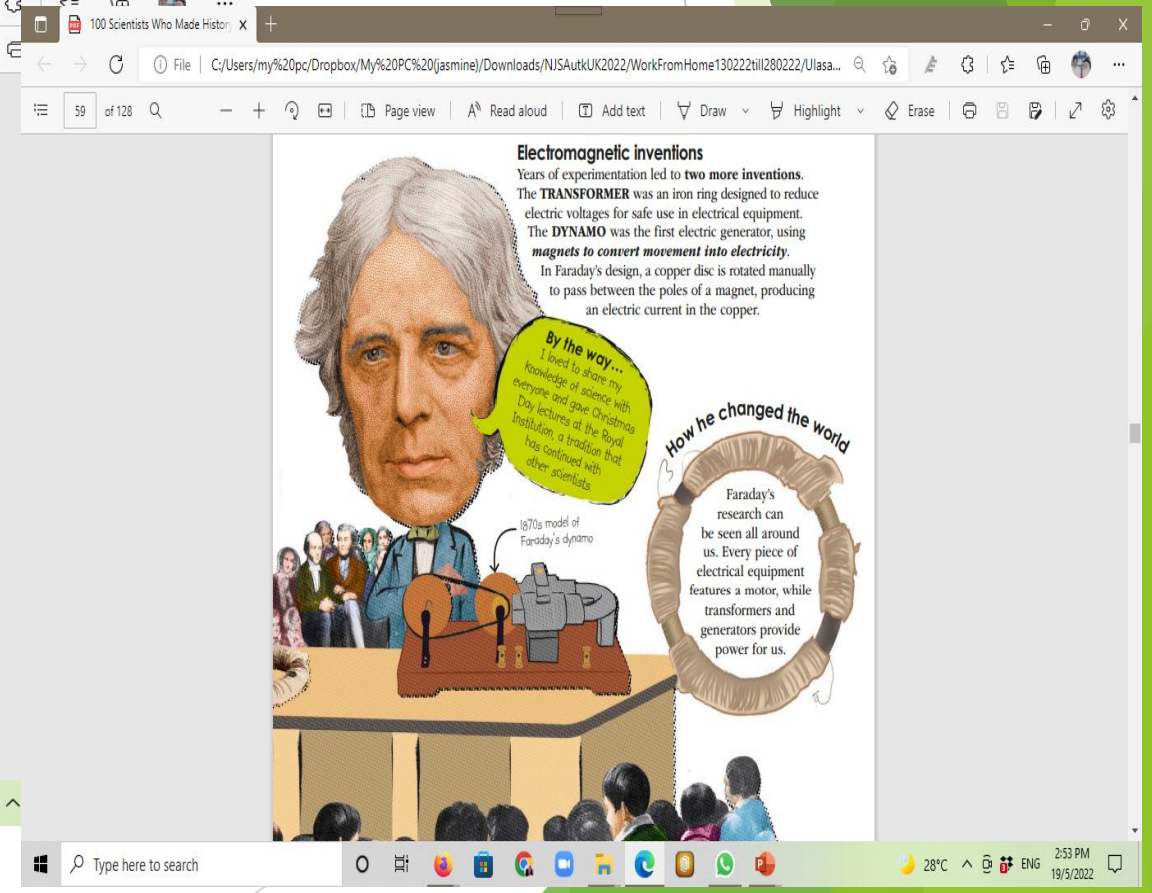
Life on Earth is incredibly diverse and biologists attempt to explore and understand the organisms that call our planet home. This branch of science covers a spectrum of studies – from anatomy to zoology – that helps us examine all kinds of plants and creatures. From early ideas of evolution to modern theories of genetics, biology has transformed the way we see ourselves and other life forms today.



3: Clever chemists

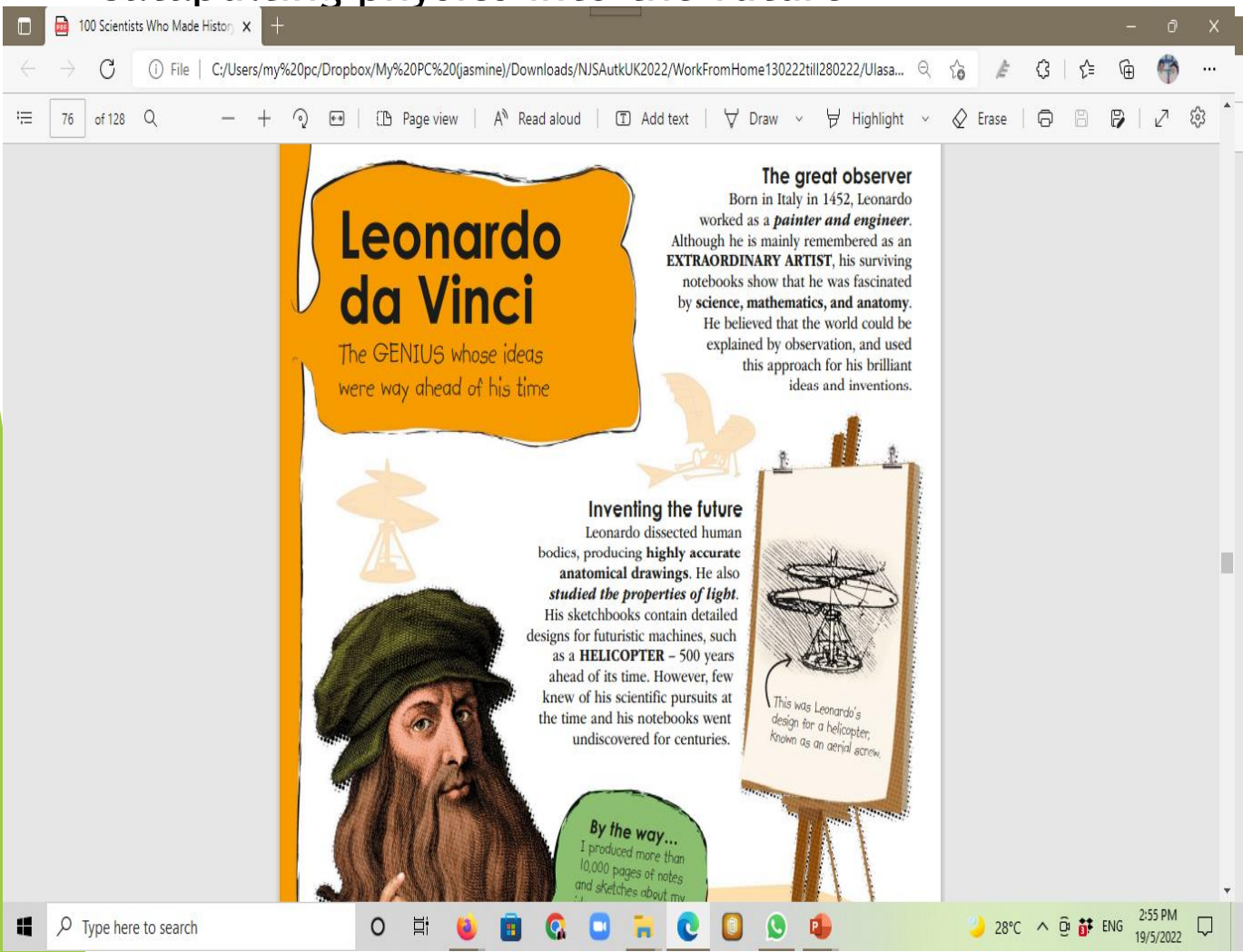
Chemists are in their element when experimentation leads to new discoveries and developments. They start small by breaking down simple substances to understand the chemical composition before throwing different things into the mix. This has triggered a chain reaction of monumental milestones over centuries of chemical research





4: Phenomenal physicists

Physics is a scientific powerhouse, uniting matter and energy to explain how the Universe works. Its full force pushes boundaries to answer mindboggling questions about space and time. Bright sparks behind the scenes observe and experiment with everything from motion to magnetism, catapulting physics into the future



Stephen Hawking

The most famous ASTROPHYSICIST in the Universe

Exemplifying the triumph of mind over matter, this scientist redefined black holes.

Stephen Hawking

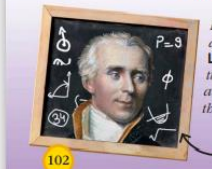
Overcoming obstacles

Born in Oxford, England, growing up Hawking ***enjoyed science and stargazing***. He graduated in Natural Science from the University of Oxford in 1962, and went to Cambridge for his PhD in Cosmology. In 1963, he was **diagnosed with motor neurone disease**, which affected his nerve cells. Given just two years to live, Hawking would go on to **DEFY THE ODDS**.

Hawking radiation

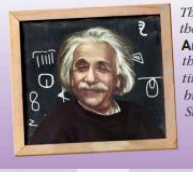
Many physicists, including Einstein, suggested the idea of the existence of a **black hole** – a small point with high density created by the collapse of a heavy star. When Hawking researched black holes, he found that they could produce radiation in the form of tiny particles. Called **HAWKING RADIATION**, it disproved the scientific belief that nothing can escape the pull of a black hole's gravity. He theorized that if a black hole gives off this radiation without taking in other matter, it ***will eventually fade away***.

Who came before...



England's **JOHN MICHELL** *and France's* **PIERRE-SIMON LAPLACE** *were the first to theorize the black hole as an invisible star during the late 1700s.*

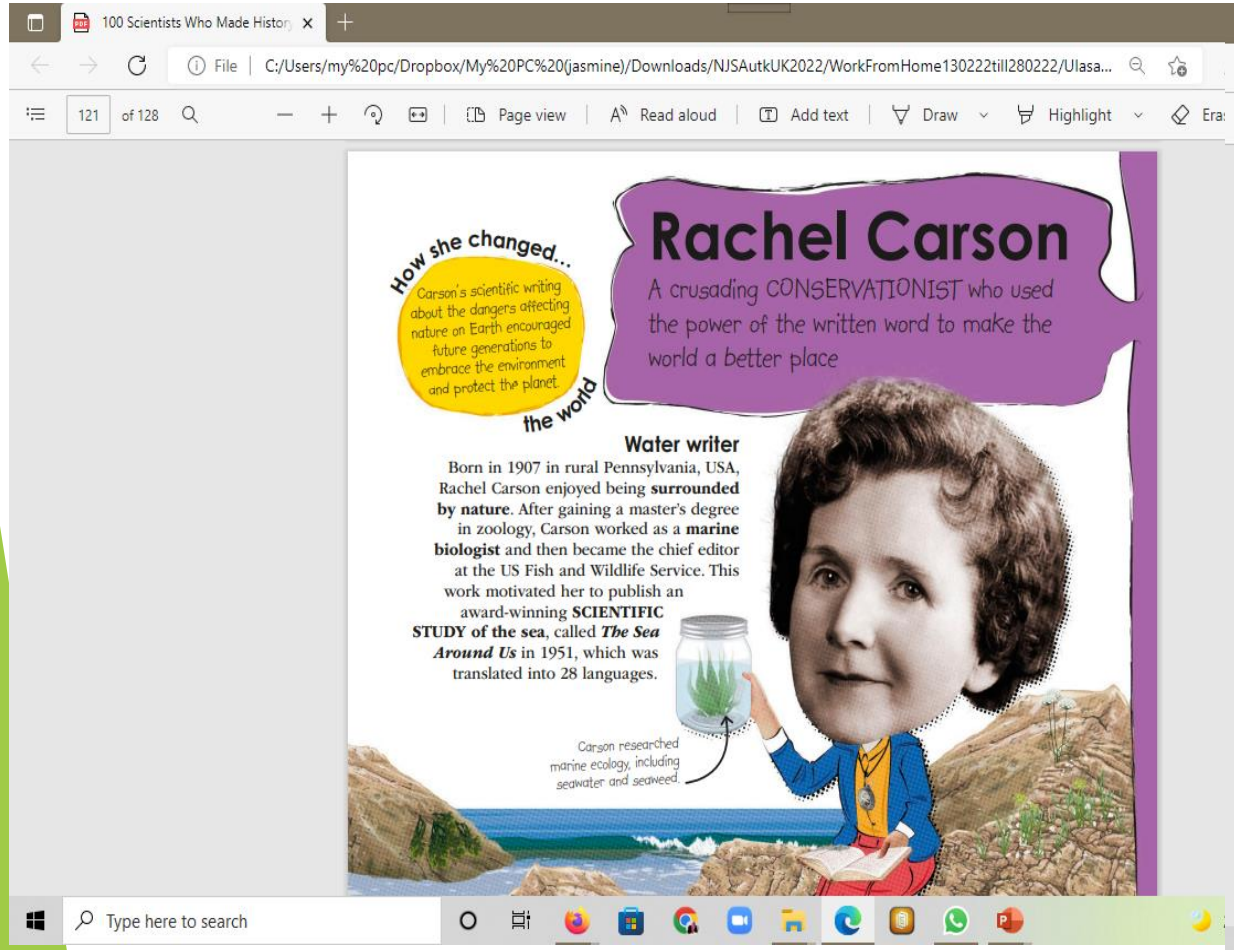
Pierre-Simon Laplace

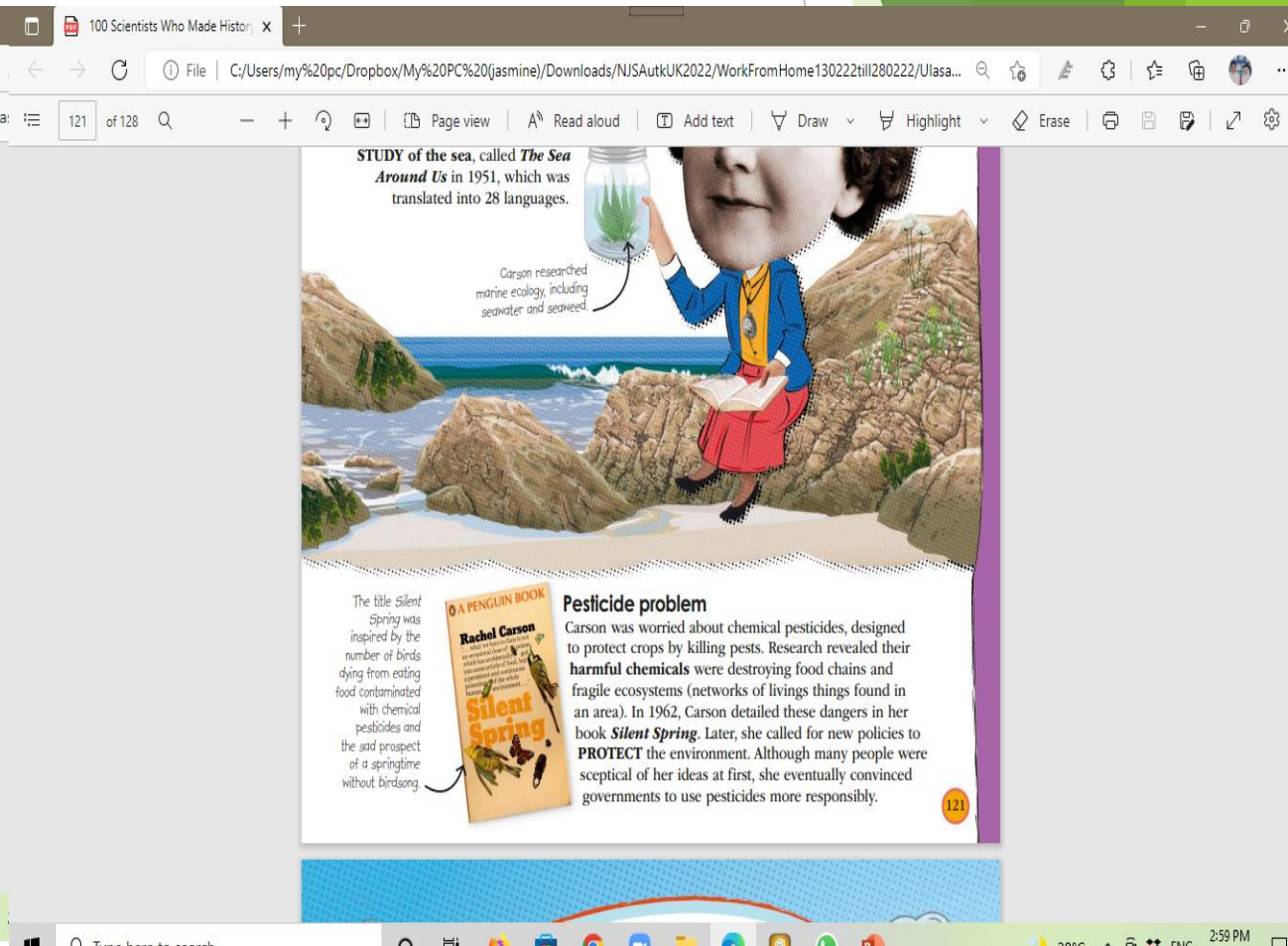


The work of German theoretical physicist **ALBERT EINSTEIN** *– especially the relationship between space, time, and gravity – was the biggest influence on Stephen Hawking.*

5: Incredible inventors

Everyday essentials began with individual brainwaves. A flash of inspiration turns into a tried-and-tested idea before the results become a mass-produced reality. From basic appliances to advanced technologies, masters of invention see their ideas and innovations revolutionize society. Not only have these gadgets and gizmos saved time and energy, but marvels in medicine also save lives every single day.





ULASAN ISI KANDUNGAN BAHAN

- **Jenis penulisan yang baca :**
  - Pengetahuan umum

- **Sasaran pembaca :**
  - Dari kanak-kanak ke warga tua

- **Penyampaian penulis :**
  - Mudah difahami + sangat menarik

- **Pengajaran / kebaikan penulisan :**
  - Mengenali mereka yang memulakan
  - Menarik zaman dulu hingga kini dan perubahan

KELEBIHAN & KEKURANGAN

- **Font yang digunakan**
  - Sesuai dengan pembacaan
  - Pelbagai jenis format font
  - Penggunaan warna font yang pelbagai dan warna

- **Gaya penulisan**
  - Mudah dan santai, sangat menarik

- **Bahasa yang digunakan**
  - Mudah difahami
  - Menarik perhatian untuk terus membaca!

- **Fizikal bahan**
  - Kulit Keras
  - 128 mukasurat
  - Gaya persembahan isi kandungan yang menarik – gambar yang menarik dan ayat yang ringkas

TERIMA KASIH