

Stephen Hawking

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Full Name: Stephen William Hawking

Born : 8 Jan, 1942, Oxford, England

Died : 14 March 2018, Cambridge, England

Profession : Theoretical Physicist.

Education

→ Studied physics at University College, Oxford,
(B.A., 1962)

→ Completed Ph.D at Trinity Hall, Cambridge (1966)

→ Became research fellow at Gonville and Caius College, Cambridge.

Health

→ Diagnosed with ~~Amyotrophic~~ Amyotrophic Lateral Sclerosis
(ALS) in early 1960's

→ Continued scientific work despite progressive disability.

Major Contributions

→ worked mainly in General Relativity and Black holes physics.

→ Studied the connection between:

- Relativity
- Quantum Mechanics
- Thermodynamics.

Black Hole Research

• proposed the existence of mini black holes (1971)

• In 1974, suggested that

◦ Black holes emit subatomic particles

◦ They lose energy and can eventually explode

→ This radiation is known as Hawking Radiation.

→ Showed relationship between black holes and thermodynamics.

Award and Honours

- Elected fellow of the Royal Society (1974)
- Became Lucasian professor of mathematics at Cambridge (1979)
 - Same position once held by Issac Newton.
- Commander of the order of the British Empire CBE (1982)
- Companion of Honour - 1989.
- Copley medal - 2006
- Presidential Medal of freedom (USA) - 2009.

Famous Books

- The large scale structure of space-time (1973)
- A Brief History - of time.
- The universe in a ~~Nature~~ Nutshell (2011)
- A Briefer History of Time (2005)
- The Grand Design (2010)

