



“There's a silly notion that failure's not an option at NASA. Failure is an option here. **If things are not failing, you are not innovating enough.**”



Elon Reeve Musk (June 28, 1971) is a **South African-born Canadian American business magnate**, investor, and philanthropist. He is the founder, CEO, and lead designer of **SpaceX**; co-founder, CEO, and product architect of **Tesla, Inc.**; and chairman of **SolarCity**. In December 2016, he was ranked 21st on the **Forbes list of The World's Most Powerful People**. As of February 2018, he has a net worth of \$20.1 billion and is listed by Forbes as the **53rd richest person in the world**. In May 2002 Musk founded SpaceX, an aerospace manufacturer and space transport services company, of which he is CEO and lead designer. SpaceX just reached a major breakthrough in the development of a partially-reusable heavy-lift launch vehicle: the **Falcon Heavy**. Falcon Heavy was designed to carry humans into space, including to the Moon and Mars, although as of February 2018, there are no plans to use it for crewed missions; it will instead be devoted to launching large satellites or space probes. SpaceX conducted Falcon Heavy's **maiden launch February 6, 2018, at 3:45 p.m. EST (20:45 UTC)**. The rocket carried a Tesla Roadster belonging to SpaceX founder Elon Musk as a dummy payload.

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