

The National Aeronautics and Space Administration (NASA is an [independent agency](#) of the [U.S. federal government](#) responsible for the civilian [space program](#), as well as [aeronautics](#) and [space](#) research.

NASA was [established in](#), succeeding the [National Advisory Committee for Aeronautics](#). The new agency was to have a distinctly civilian orientation, encouraging peaceful applications in [space science](#). Since its establishment, most US [space exploration](#) efforts have been led by NASA, including the [Apollo Moon landing](#) missions, the [Skylab](#) space station, and later the [Space Shuttle](#). NASA is supporting the [International Space Station](#) and is overseeing the development of the [Orion spacecraft](#), the [Space Launch System](#), and [Commercial Crew](#) vehicles. The agency is also responsible for the [Launch Services Program](#), which provides oversight of launch operations and countdown management for uncrewed NASA launches.

Space is the boundless [three-dimensional](#) extent in which [objects](#) and events have relative [position](#) and [direction](#). In [classical physics](#), physical space is often conceived in three [linear dimensions](#), although modern [physicists](#) usually consider it, with [time](#), to be part of a boundless [four-dimensional continuum](#) known as [spacetime](#). The concept of space is considered to be of fundamental importance to an understanding of the physical [universe](#). However, disagreement continues between [philosophers](#) over whether it is itself an entity, a relationship between entities, or part of a [conceptual framework](#)

NASA's science is focused on better understanding [Earth](#) through the [Earth Observing System](#); advancing [heliophysics](#) through the efforts of the [Science Mission Directorate's](#) Heliophysics Research Program; exploring bodies throughout the [Solar System](#) with advanced [robotic spacecraft](#) such as [New Horizons](#); and researching [astrophysics](#) topics, such as the [Big Bang](#), through the [Great Observatories](#) and associated programs.