

Space exploration is the use of astronomy and space technologies to explore outer space.

It began with the launch of Sputnik 1 in 1957 by the Soviet Union.

Key milestones include the Apollo 11 Moon landing, Mars rover missions, and the James Webb Space Telescope.

Modern space agencies include NASA, ESA, ISRO, and private players like SpaceX and Blue Origin.

Space science fuels advancements in materials, robotics, and global collaboration.