



# Stars of the Universe

## Research Space Technologies

Our knowledge and understanding of space including the existence and location of galaxies, the evolution of stars, and the beginning of the Universe is possible because of modern technologies.

*The Hubble Space Telescope has provided countless images of objects in space including planetary nebulae, supernovae (supernova 1987A), and the Andromeda galaxy, advancing our knowledge of the lifecycle of stars and galaxy interactions. Voyager 1 and Voyager 2, launched in 1977, have conducted fly-bys of the outer planets: Jupiter, Saturn, Uranus and Neptune. Voyager 1 is the first human-made object to enter interstellar space and is now navigating uncharted territory in outer space. The Square Kilometre Array is a radio telescope, constructed in Australia and South Africa and will contain millions of antenna that will collect radio waves from the farthest reaches of space.*

**Task:** Conduct some **research** into one or more space technologies and find out **how they contributed to science and our understanding of space**. You can choose one of the technologies already mentioned (The Hubble Space Telescope, Voyager 1, Voyager 2, The Square Kilometre Array) or another telescope, satellite or space shuttle of your choice. Create a **multimedia presentation** containing a model, poster, and/or digital presentation.

