

CAREERS IN STEM WEBINARS

ROLE MODEL SERIES – Giving students the opportunity to meet Australian scientists and engineers



Dr Tayyaba Zafar

Reach for the stars!

9 December – 11.30am (AEDT)

Read this article written by Tayyaba about ground based telescopes

Why did the Hubble Deep Field images reveal galaxies in an area that looked “empty” from Earth?

What are two limitations to size of telescopes in orbit?

What contribution has Australia made to the Giant Magellan Telescope? What will it help it do better

Here’s an article about the TAIPAN instrument Tayyaba helped to develop

What is the technology that these instruments use? How have they made telescopes more efficient?

What will TAIPAN be gathering?

Read this article about the Thirty Meter Telescope on Mauna Kea in Hawaii

Why is this site ideal for scientists to build this telescope?

How many countries and telescopes are already working on this mountain?

What are the concerns of the native Hawaiians about the location?

List some things that science has done to try and work together with the native Hawaiians.
