



Excitement builds for Space Science School Moree, NSW

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Moree's Long History with the Space Industry

Moree has a long history with the space industry, having the important roll via the OTC of beaming the first pictures of the Moon landing to the world. Dr Caswell said, "We should remember the pictures of the first landing on the Moon, Apollo 11, Artemis' brother ship, were directly beamed from Antenna One, Moree OTC, to the world. The Moree OTC station is now decommissioned, the site is 20 minutes from SpacePort Australia®. The Honeysuckle Creek Achieves has a wonderful repository of Australia's long history, of supporting space exploration. It has a great store of images, which are really worth reviewing".

Dr Caswell is a rural medical practitioner; she continues to work in the practices she established over 20 years ago, in rural NSW and has unique operational insight into the challenges of providing medical care for remote locations, a distinct advantage when understanding the operational space environment. She formally incorporated SpacePort Australia (SPA) in 2018, but was quietly working on the concept since 2012. SPA has a unique niche in the modern space industry landscape, being non-government funded; it has flexibility and has attracted many national and international partnerships and joint ventures.

With an eye on the next generation of space personal and problem solvers, Dr Caswell has formed several space education and training partnerships, including The Montana Spaceport and Test Range® and Arkisys®, international STEM educators AICompanyUSA©©, ChameleCo® and STEM Innovation Council. These strategically focused education and space training bodies are working to prepare and train individuals for space careers. SpacePort Australia® is working with Arkisys®, to repurpose the International Space Station (ISS) Astrobee's from maintenance robots to medical assistants. And with Aexa Aerospace to create the holographic doctor, The Hamilton Project.

Space Science School

Amongst a number of projects that has brought Dr Caswell to the Australia Space Awards arena is the concept of a **Space Science School: Engagement, Education. Academic to Manufacturing**, rapidly shortened to the '*Triple S Atom Project*' (SSS-AtoM®).

The SSS-AtoM[®] project is a joint initiative with **One Giant Leap Australia** (www.onegiantleapaustralia.com.au), who are consummate Australian space science educators. Ms Carpenter, of One Giant Leap Australia, has a long and distinguished career as a space science educator. One Giant Leap Australia brings space science to all states and territories of Australia.

One Giant Leap Australia provides access to NASA training modules, space camps, and educational immersions such as Space Training Academy[®] and is the Point of Contact for the world wide Astrobee coding competition. Together SpacePort Australia and One Giant Leap Australia hope to create a space hub, where space education leads to manufacturing for space.

One Giant Leap Australia and SpacePort Australia[®] have constructed an NSW parliamentary e-petition for access and use of the decommissioned Couralie, Carol Avenue high school in Moree, NSW, as a site for the space school.

Those who reside in NSW are able to sign the e-petition for the decommissioned school in Moree, NSW, to become the Space Science School. *Good for the bush, great for regional Australia.*

Every signature helps secure the decommissioned school for this community building project:

Scan to sign e-petition:



Or copy and paste into your browser:

<https://www.parliament.nsw.gov.au/la/Pages/ePetition-details.aspx?q=upWNGN5aqPg2KQOvdneovg>

The space economy dovetails with the technological economy, and for the next two upcoming generations of Australia to take part, opportunities need to be created, and focus broadened to all areas where young people can be involved.

The SSS-AtoM[®] project is a concept to provide Australian youth and communities avenues for space skills training (from robotics, to podcasting and media, to orbital mechanics and mission control). The SSS-AtoM[®] Project has already attracted the interest of three universities, and a number of commercial partners.

Dr Caswell stated she is privileged to have these associations, and excited to be mapping out academic and operational training pathways, coupled with excellent youth engagement strategies. “The STEM opportunities are enormous in the space industry, as I remind people what we have down here, they will want up there. And the challenge of keeping humans alive in space is just starting; deep space is a very different environment from LEO”.

SpacePort Australia is a sponsor for **SpaceLive** – coming to Perth, Sydney and Melbourne in July and August.

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Astrobees: www.spaceportaustralia/associates/astrobees

STEM Innovation Council: www.STEMinnovationcouncil.com