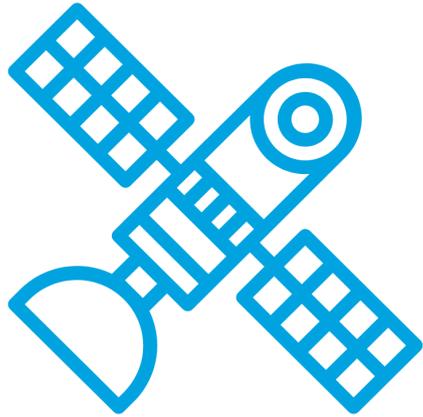


SPACE  
INDUSTRY

# EDUCATIONAL RESOURCES



Useful resources to assist students and their educators with space curriculum



[sasic.sa.gov.au](http://sasic.sa.gov.au)

## **South Australian Space Industry Centre (SASIC)**

In September 2017 the South Australian Government created the SASIC to drive space industry innovation, research and entrepreneurial development. SASIC provides a whole-of-state-government focal point for both local industry and international companies and organisations.

<https://sasic.sa.gov.au/>

## **SASAT1 - South Australian Space Services Mission**

The SASAT1 Space Services Mission will build, launch, monitor and control South Australia's first state satellite, carrying world-leading technologies to benefit South Australians down here on Earth. The data collected by the satellite will help every-day people, like providing our farmers with insight into future rainfall so they know how much water to give their crops, and helping emergency services monitor, manage and even prevent emergencies like bushfires.

<https://www.saspacemission.com.au/>

## **South Australian Space Industry Directory**

The Space Industry Directory provides a snapshot of the South Australian space community. It features key information about private enterprises, consultancies, associations, research organisations, educational institutions and government departments currently contributing to our state's vibrant space ecosystem.

[www.sasic.sa.gov.au/industry/industry-directory](http://www.sasic.sa.gov.au/industry/industry-directory)

## **Australian Space Agency**

Led by Enrico Palermo, the Australian Space Agency is a non-statutory entity located within the Department of Industry, Science, Energy and Resources. Headquartered in Adelaide, the Agency was established in 2018 to coordinate civil space matters across government and support the growth and transformation of Australia's space industry.

<https://www.industry.gov.au/policies-and-initiatives/australian-space-agency>

## **Australian Space Discovery Centre**

The Australian Space Discovery Centre is based at Lot Fourteen in the heart of the Adelaide CBD and aims to inspire the next generation of the space workforce with stories of innovation, curiosity and technology. It offers a place for the community to meet and explore the latest innovations in space technologies and an opportunity to learn about Australia's role in expanding national and international space activities.

<https://www.industry.gov.au/australian-space-discovery-centre>

## **Andy Thomas Space Foundation**

The Andy Thomas Space Foundation was established to provide an interface between the space community and the wider Australian community. It complements the work of the Australian Space Agency and the many institutions involved in space-related education and training.

<https://andythomas.foundation/>

## **Australian Youth Aerospace Foundation (AYAA)**

The AYAA is a not-for-profit organisation managed by student volunteers and young professionals, with the objective of promoting education, awareness and involvement in the aerospace industry to people across Australia.

<https://ayaa.com.au/>

## **One Giant Leap Foundation**

The One Giant Leap Australia Foundation is a Not For Profit Organisation whose purpose is to advance STEM education and careers. The Foundation provides life changing opportunities for students and educators to develop and build their knowledge and understanding of Science, Technology, Engineering and Mathematics.

<https://onegiantleapfoundation.com.au/>

## **NASA STEM Resources**

NASA has developed a dedicated section of their website to focus on inspiring, engaging, educating and employing the next generation of space explorers. The site has dedicated areas for students, educators, challenges, events and includes activities and information from reception through to university.

<https://www.nasa.gov/stem>

## **Pathways for a career in space**

There's much more to a career in space than being an astronaut. There are many exciting career paths to follow right here on Earth. Space law, medicine, design and manufacturing, robotics and data analysis.

<https://www.industry.gov.au/australian-space-discovery-centre/pathways-for-a-career-in-space>

## Profiles of people working in the space sector

The Australian Space Agency interviewed people working in Australia's space sector to find out what they do and how they got there.

<https://www.industry.gov.au/australian-space-discovery-centre/people-in-the-space-sector>

## Space programs and events in your community

There are so many space programs and activities across Australia. Find the ones that you are interested in on the Australian Space Agency directory.

<https://www.industry.gov.au/australian-space-discovery-centre/space-in-your-community>

## South Australia Growth State Space Sector Strategy

The vision and mission of SASIC is articulated in the South Australian Growth State Space Sector Plan 2020-2030. SASIC's mission is to lead the state's space industry development efforts and offer focused and responsive support to drive the growth of South Australia's space sector.

<https://sasic.sa.gov.au/about/strategy/>

## Australian Space Agency Learning Resources

The Australian Space Discovery Centre and the Australian Space Agency have developed some learning resources to help inspire primary and secondary students about space.

<https://www.industry.gov.au/australian-space-discovery-centre/space-in-australia/learning-resources>

## Definition of the Australian Space Sector

The space sector provides essential data and services for everyday activities, from banking and internet access to knowing where you are. Space also provides critical data that supports emergency management, planning, and weather forecasting, and inspires young people to engage in science, technology, engineering, and mathematics (STEM) domains. The Australian Space Agency has produced a definition of the space sector that can be downloaded here.

<https://www.industry.gov.au/data-and-publications/definition-of-the-australian-space-sector>

## Australian Civil Space Strategy 2019 – 2028

The Australian Civil Space Strategy produced by the Australian Space Agency outlines the Government's plan to transform and grow our space industry over 10 years. The Agency envisions an industry that lifts the broader economy, inspires and improves the lives of Australians.

<https://www.industry.gov.au/data-and-publications/australian-civil-space-strategy-2019-2028>

## AgriFutures Australia Space-based technologies - opportunities for the rural sector report

This report identifies the technologies and applications that are suitable for the Australian context. This report focuses on three main components of space-based technologies that can help address challenges in the rural sector – remote sensing, connectivity and geolocation.

<https://www.agrifutures.com.au/product/space-based-technologies-opportunities-for-the-rural-sector/>

The following fact sheets are also available as an extension of the report:

- [Extensive livestock farming and space-based technologies](#)
- [Intensive livestock farming and space-based technologies](#)
- [Broadacre cropping and space-based technologies](#)
- [Fishing and space-based technologies](#)
- [Forestry and space-based technologies](#)
- [Horticulture and space-based technologies](#)

## VIDEO RESOURCES

[South Australian Space Sector Strategy](#)

[Space 101 with SASIC Director Darin Lovett](#)

[History of South Australia's Space Industry](#)

[History of Space in Australia](#)

[Australian Space Agency Brand Animation Story](#)



Government of  
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