Space technologies are seamlessly integrated into the modern world

SPIRATION

Space inspires us all, pushing the boundaries of what is possible

SAFE

NERYD

Space technologies help keep Australia in safe hands



Why does

SPACE

• matter



EALTH

AB

Space technologies play a key role as we pursue a more sustainable Earth

Click on the images to explore how space positively impacts life here on Earth

> Space environments and tech create opportunities to improve health on Earth



Want WiFi in the sky?

> Need directions?

NEATHER

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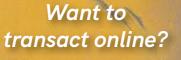
П

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Watching live TV?

ANKING

Live broadcasts are available due to communication satellites



NE

to The? Why when the second se Transferring funds is instant and secure, with the help of GPS and communication satellites

ENTE

SEN

Space technologies are seamlessly integrated into the modern world

matter





Satellites provide phone and internet access in planes, boats and remote areas

Find your way, avoid traffic and drop a location pin - all using GPS

T

NAVIGA

Not sure what to wear?

Weather satellites help improve accuracy of the forecasts

BACK





Do you think there is life outside our solar system?

hy does

SPACE?

matter

G

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Z

## Can space bring new perspectives?

Studying the universe gives us valuable perspective, prompting us to ponder our position in the cosmos

ATION

Want to work with other countries?

OSOPH

Space activities promote cooperation across the globe RELATIONS

PA

S

Space inspires us all, pushing the boundaries of what is possible





PLORATION

& CULTURE

Australia has a vital role in future missions to the Moon, Mars and beyond

## Are you interested in STEM?

Space makes us "think bigger" and develops knowledge of science, tech engineering and maths

## Have you got a fave space song?

EDUCATIO

Celestial and Sci-Fi themes have inspired film/TV, music, games, literature, fashion and art for decades



Earth observation satellites improve responses to bushfires, floods and droughts

DEFENCE

**WARY** 

Want to stay informed about incoming natural disasters? STECH KEEPS

Are we protected from asteroids?

ASTE

SE

We can calculate the trajectory of falling objects from space, such as asteroids, before they impact Earth

Need an ambulance?

> **GPS** improves response times to critical emergencies



Space technologies help keep Australia in safe hands

matter





KELLIGENCA

Street of the second se Communication, GPS and remote sensing satellites help protect Australia's borders

> Enjoying our way of life?

> > Defence uses a range of satellite technologies to protect Australia

> > > Did you know space helps combat terrorism?

DEFEN

Intelligence gathering satellites are used to enhance Australia's national security and protect our way of life



Satellites monitor changing environmental conditions of our oceans, land and atmosphere

ONSERVA



Can space benefit land

and marine wildlife?

Satellites collect and relay

which helps manage and

protect their habitats

sensor data to track wildlife,

40

SPA

Want a better environmental footprint?

SKEY TO SUSTAI

Why does

SPACE 2

matter

Want to depend less on fossil fuels?

CYAN ENERGL

HUNGER

Did you know space helps our farmers?

Agricultural equipment can be remotely controlled with the help of satellites to maximise farm productivity and efficiency



SMAR

Space technologies play a key role as we pursue a more sustainable Earth







Space tech forecasts energy production and identifies the best locations for renewable energy

SPOR

Satellites help us map and maintain roads, which reduces fuel consumption

> Want to use less petrol?

Satellites sense soil moisture and vegetation and land characteristics to help increase crop yield



G

Satellites monitor pollution to inform how we protect the air we breathe

Need a doctor in the outback?

hy does

HELPSKEEPUS

matter

Want to live a healthier lifestyle?

REMOZE

HROUGHS Will space data help us here on Earth?

AIRQUA

Space research has spawned medical innovations including pacemakers and better artificial limbs

Can health solutions originate in space?

EDICAL &

We learn about our bodies by testing and managing effects of space environment on astronauts



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PANDEMIC Sint PANDEMIC Sin Space environments and tech create opportunities to improve health on Earth







Satellites help connect people in remote communities to doctors and specialists

NEARABLE

Tech developed to monitor astronaut wellbeing, like smart watches, can help promote better health

## **Concerned** about diseases spreading?

Satellites monitor migration, weather conditions and vaccine rollout to slow the spread of disease



DEVICES