

## EVERYDAY LIFE

Space technologies are seamlessly integrated into the modern world



## SUSTAINABILITY

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



## INSPIRATION

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



Why does  
**SPACE**  
matter?

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

## SAFETY

Space technologies help keep Australia in safe hands



## HEALTH

Space environments and tech create opportunities to improve health on Earth





## ONLINE SHOPPING

Communication satellites and GPS make it easy to shop anywhere, anytime



*Want WiFi in the sky?*

## STAYING CONNECTED

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



*Need directions?*

## NAVIGATION

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



*Not sure what to wear?*

## WEATHER

Weather satellites help improve accuracy of the forecasts



# SPACE IS PART OF EVERYDAY LIFE

Why does  
**SPACE**  
matter?

*Space technologies are seamlessly integrated into the modern world*

## E-BANKING

*Want to transact online?*

Transferring funds is instant and secure, with the help of GPS and communication satellites



*Watching live TV?*

## NEWS/ENTERTAINMENT

Live broadcasts are available due to communication satellites



Australian Government



Australian Space Agency





## NEW TECHNOLOGY

Space takes our tech further, challenging us to solve problems in innovative ways



*Do you think there is life outside our solar system?*

## EXPLORATION



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

## PHILOSOPHY



*Can space bring new perspectives?*

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

# SPACE INSPIRES US TO GO BEYOND

Why does  
**SPACE**  
matter?

*Are you interested in STEM?*

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

## EDUCATION



*Have you got a fave space song?*

## ARTS & CULTURE



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

*Want to work with other countries?*



Space activities promote cooperation across the globe

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



Australian Government



Australian Space Agency



BACK



SPACE TECH KEEPS YOU SAFE

Why does  
**SPACE**  
matter?

DISASTER RESPONSE

Earth observation satellites improve responses to bushfires, floods and droughts



Want to stay informed about incoming natural disasters?

BORDER PROTECTION

Communication, GPS and remote sensing satellites help protect Australia's borders



Enjoying our way of life?

DEFENCE

Defence uses a range of satellite technologies to protect Australia



Did you know space helps combat terrorism?

INTELLIGENCE

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



Space technologies help keep Australia in safe hands

EMERGENCIES

GPS improves response times to critical emergencies



Need an ambulance?

PLANETARY DEFENCE

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



Are we protected from asteroids?



## CLIMATE CHANGE

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



*Want a better environmental footprint?*

## CLEAN ENERGY

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



*Want to depend less on fossil fuels?*



*Want to use less petrol?*

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



## ZERO HUNGER

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

# SPACE IS KEY TO SUSTAINABILITY

Why does  
**SPACE**  
matter?

*Can space benefit land and marine wildlife?*

Satellites collect and relay sensor data to track wildlife, which helps manage and protect their habitats



*Did you know space helps our farmers?*

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



## SMARTER FARMING

BACK



# SPACE HELPS KEEP US HEALTHY

Why does

SPACE

matter



*Need a doctor  
in the outback?*

## REMOTE HEALTHCARE



Satellites help connect people in remote communities to doctors and specialists

*Want to live a  
healthier lifestyle?*



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

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



## TREATMENTS & CURES

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

*Can health solutions  
originate in space?*



## MEDICAL BREAKTHROUGHS

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

*Will space data help  
us here on Earth?*



## AIR QUALITY

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