ASTRAVYR

OBSERVATORY & CELESTIAL SYSTEMS

SPACE ACADEMY

SPACE / ASTRONOMY / DISCOVERY

A GLOBAL LEARNING COMMUNITY

SPACE / ASTRONOMY / DISCOVERY
FOR CURIOUS MINDS EVERYWHERE



EDUCATION

COMMUNITY

EXPLORATION

STEWARDSHIP

INSPIRING CURIOSITY | EXPLORING THE UNIVERSE

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One Academy. A universe of learning.

Free digital astronomy education, with specialised regional learning pathways.

FREE LEARNING MADE USEFUL

ASTRAVYR Space Academy supports curious people, educators, libraries and astronomy communities worldwide. Learners can explore short missions, try a Seven-Day Night Sky Challenge, compare reference stars and discover established citizen-science projects.

REGIONAL SPECIALISMS

NEW ZEALAND
Dark Sky Pathway
Certified dark-sky places, Southern Hemisphere observing and responsible outdoor lighting.

PACIFIC
Sky Pathway
Island-based observation, practical learning and the relationship between place and the night sky.

MIDDLE EAST
Celestial Pathway
Desert skies, astronomy heritage and contemporary space science learning.

All regional pathways belong to one global Academy. No agency, school, place or science organisation affiliation is implied.

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Schools & Teachers

Free, adaptable learning tools for the classroom and beyond.

Make science feel close.



WHAT IS INCLUDED

- Eight Space Explorer missions with knowledge checks
- Teacher handbooks and a four-criterion learning rubric
- NZ dark-sky place studies and investigation sheets
- Indoor alternatives to outdoor observation

A 40-MINUTE INTRODUCTION

01 5 min - discuss why darker skies matter

02 10 min - compare two Dark Sky Place designations

03 15 min - complete a short challenge task

04 10 min - record observations and reflection

START WITH A FREE RESOURCE

apollonzglobal.com/astravyr/space-academy/teachers

apollonzglobal.com/astravyr/space-academy/new-zealand-dark-skies

Optional activities require suitable supervision and local safety checks. Resource sharing does not imply accreditation or a partnership with ASTRAVYR.

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Public Libraries

Open, accessible astronomy learning for families and community visitors.

Curiosity has a home.



WHAT IS INCLUDED

- Seven independent, short learning activities
- A printable astronomy activity passport
- No telescope, account or payment required
- Useful for a self-guided display or optional event

A 40-MINUTE INTRODUCTION

01 5 min - introduce a sky question

02 10 min - explore a reference star online

03 15 min - try a Challenge activity

04 10 min - share a printable take-home passport

START WITH A FREE RESOURCE

apollonzglobal.com/astravyr/space-academy/seven-day-night-sky-challenge

apollonzglobal.com/astravyr/space-academy/southern-sky-explorer

Optional activities require suitable supervision and local safety checks. Resource sharing does not imply accreditation or a partnership with ASTRAVYR.

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Astronomy Clubs

A useful follow-on learning resource for beginner nights and public talks.

Explore together.



WHAT IS INCLUDED

- Compare eight bright reference stars by observing latitude
- Plan safe beginner viewing and learn key limitations
- Explore independent research programmes and methods
- Download learning journals for continued curiosity

A 40-MINUTE INTRODUCTION

01 5 min - introduce an observing question

02 10 min - explore a star across two regions

03 15 min - discuss one citizen-science project

04 10 min - choose a self-guided follow-up

START WITH A FREE RESOURCE

apollonzglobal.com/astravyr/space-academy/southern-sky-explorer

apollonzglobal.com/astravyr/space-academy/citizen-science

Optional activities require suitable supervision and local safety checks. Resource sharing does not imply accreditation or a partnership with ASTRAVYR.

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Dark-Sky Organisations

Source-linked conservation and responsible-lighting education.

Darker skies. Brighter futures.



WHAT IS INCLUDED

- Four different recognised dark-sky designation types
- Ten New Zealand source-backed place studies
- Five principles of responsible outdoor lighting
- Downloadable classroom lighting-check worksheets

A 40-MINUTE INTRODUCTION

01 5 min - compare designation types

02 10 min - research a recognised night-sky place

03 15 min - evaluate five lighting principles

04 10 min - develop one evidence-led improvement

START WITH A FREE RESOURCE

apollonzglobal.com/astravyr/space-academy/new-zealand-dark-skies

apollonzglobal.com/astravyr/space-academy/teachers

Optional activities require suitable supervision and local safety checks. Resource sharing does not imply accreditation or a partnership with ASTRAVYR.

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Six ways to begin.

Every resource is free to use in a browser. No student account is required.

01 / SPACE ACADEMY

apollonzglobal.com/astravyr/space-academy

02 / SEVEN-DAY NIGHT SKY CHALLENGE

apollonzglobal.com/astravyr/space-academy/seven-day-night-sky-challenge

03 / NEW ZEALAND DARK SKY ATLAS

apollonzglobal.com/astravyr/space-academy/new-zealand-dark-skies

04 / SOUTHERN SKY EXPLORER

apollonzglobal.com/astravyr/space-academy/southern-sky-explorer

05 / CITIZEN SCIENCE

apollonzglobal.com/astravyr/space-academy/citizen-science

06 / TEACHING RESOURCES

apollonzglobal.com/astravyr/space-academy/teachers

New Zealand is an important specialist learning pathway; ASTRAVYR Space Academy remains an international education programme.

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Learning with care.

A credible academy explains what its tools can and cannot do.

Independent education

ASTRAVYR Space Academy is an Apollo NZ Global educational initiative. It does not claim external school, government, research-agency or DarkSky International endorsement.

Astronomy and scientific accuracy

The Southern Sky Explorer is an approximate eight-star classroom model, not a real-time telescope pointing service or full planetarium. Confirm actual skies using authoritative resources.

Safe and inclusive participation

All seven short learning challenges provide indoor alternatives. Site permission, weather, supervision and strict solar-viewing precautions matter for field activities.

Cultural respect and regional relevance

Matariki, Puanga and other Indigenous sky traditions vary by community. Local knowledge holders and qualified educators should guide cultural treatments.

Learner privacy

The public learning tools require no learner account or purchase. Optional challenge checkmarks can be saved locally; written reflections are not transmitted to the Academy.

ASTRAVYR SPACE ACADEMY / FREE DIGITAL LEARNING / GLOBAL PERSPECTIVES