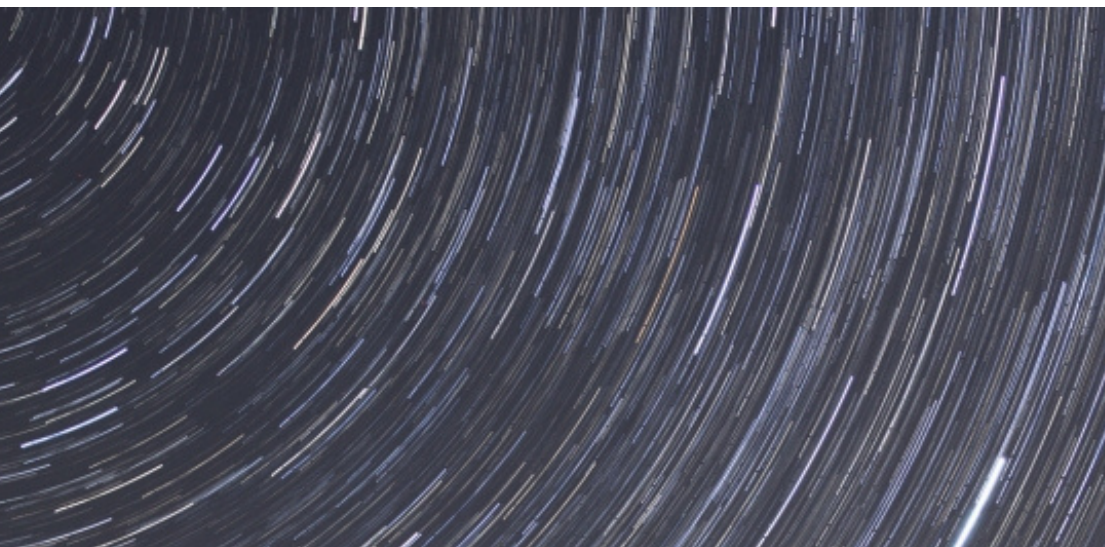




BALLARAT MUNICIPAL
OBSERVATORY & MUSEUM

Our Circumpolar Stars

PROGRAM OVERVIEW
(NIGHT)
YEAR 5/6

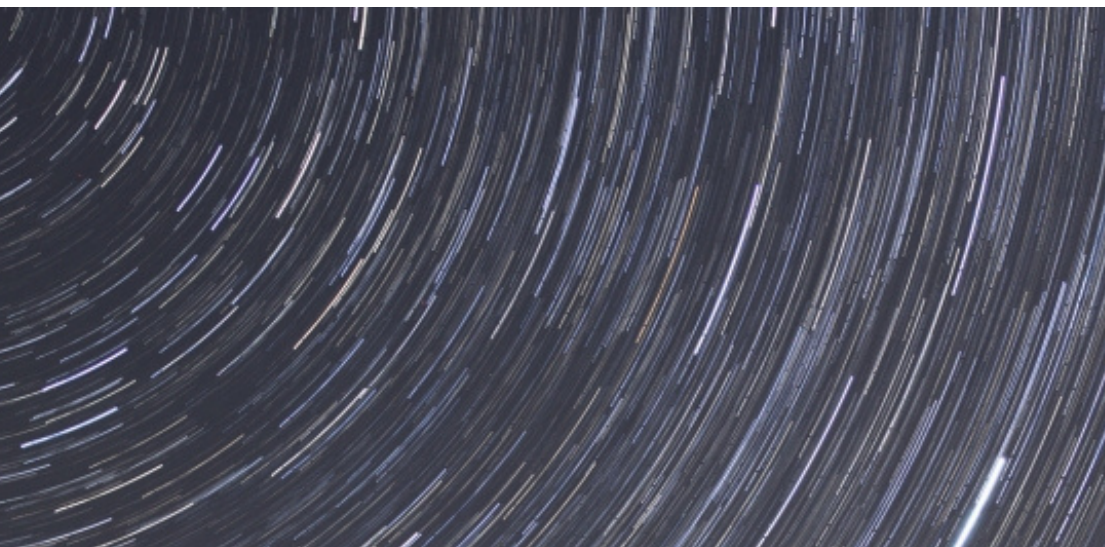


Program Overview

"Our Circumpolar Stars" introduces year 5/6 students to the wonderful tool the Circumpolar region can be.

Using a combination of demonstrations and hands-on experiences: Students will learn about the various circumpolar objects visible at our latitude of 37.5°S , that is the celestial objects that never rise and never set. Students will learn how to use the circumpolar stars to navigate at night and how to use them as a clock and a calendar.

Students will learn key terminology including Celestial Pole, Circumpolar, Sidereal Day and Solar Day, Constellation, Cluster, Binary System and Orbit.



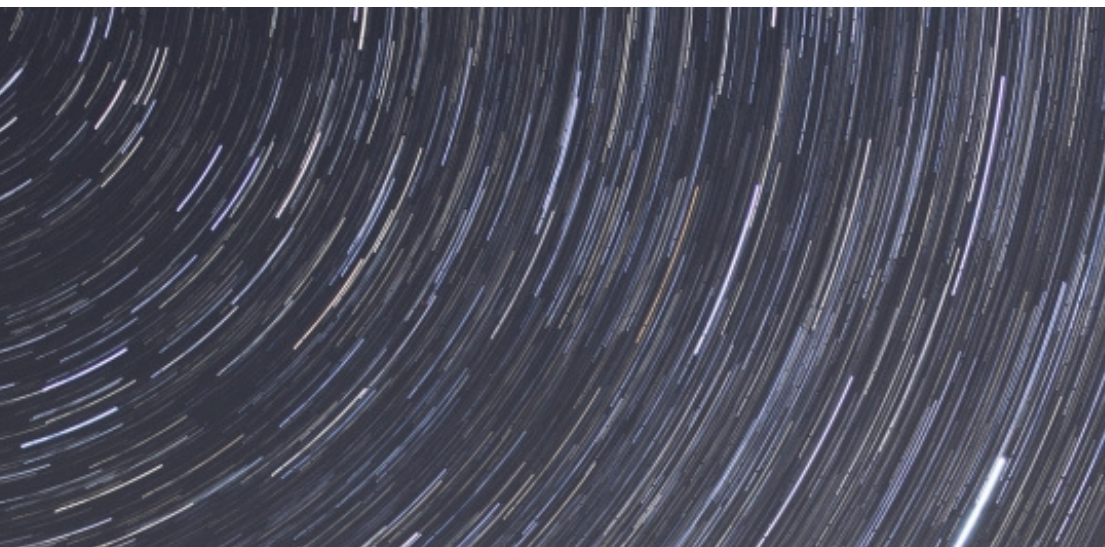
Learning outcomes

- Name circumpolar objects
- Explain the difference between a sidereal day and a solar day.
- Identify the direction of south.
- Use the bush clock as a calendar and clock.

Activities

- Making a Bush clock
- Viewing at the telescope
- Guided Stargazing

Note: Some activities are weather dependent.



Curriculum Links

Level 3/4

VCGGC072, VCGGC076,
VCSSU061, VCSIS067

Level 5/6

VCGGC086, VCMMG230,
VCSSU073, VCSSU078

Level 7/8

VCSSU099

IMAGE CREDITS:
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