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17 June 2025



Australian Government
Civil Aviation Safety Authority



Flying your drone in winter

Winter is a great time to fly your drone, but cold, wet or windy conditions can affect your drone and safety. Follow these tips for a safe and enjoyable flight:

- **Prep your battery:** fully charge your batteries before flying as cold weather drains them quickly. If temperatures are below 5 degrees celsius, warm the battery indoors by hovering for a minute.
- **Check the weather:** flying in calm conditions without strong wind, rain, snow, or temperatures below zero degrees celsius helps you keep your drone under control and within visual line-of-sight.
- **Check the take-off area rules:** if you plan to fly your drone in a park or reserve, check your state or territory laws first. Some areas prevent you from launching or landing your drone without a permit to protect plants and wildlife.
- **Stay warm:** cold fingers can affect your control and response time so dress warmly and wear gloves to avoid your drone becoming a hazard to people, property, or other aircraft.

Enjoy your winter flights and always follow the [drone safety rules](#).



Know where to fly

CASA-verified drone safety apps make it easy to check where you can and can't fly. They use location-based maps to show you:

- nearby airports, helicopter landing sites and restricted airspace
- national parks, reserves and marine parks
- danger areas and major landmarks
- emergency operations in progress.

Download a [CASA-verified drone safety app](#).

Watch our video to learn more about CASA-verified drone safety apps.

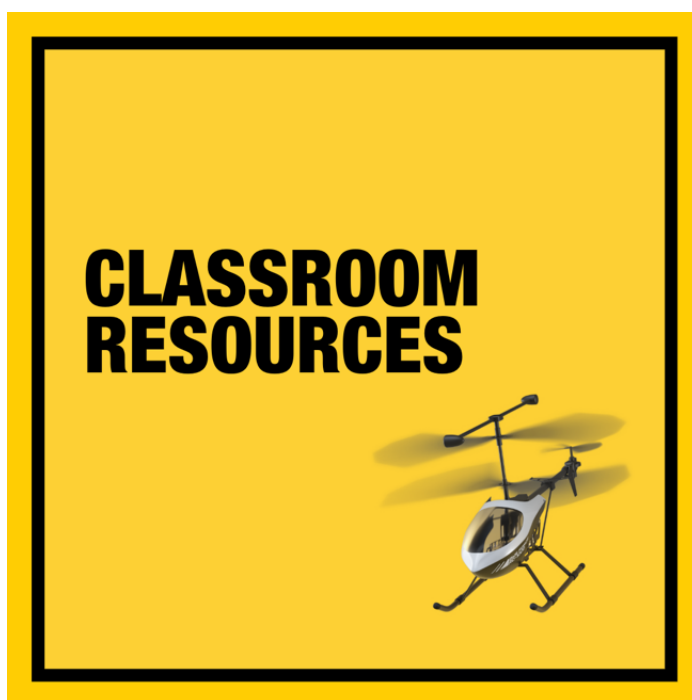
CASA-verified drone safety apps



Interactive classroom resources

Are you a parent, teacher or education provider? Download our new interactive classroom resources aligned with the Australian Curriculum to teach STEM and drone safety. Enjoy interactive quizzes, worksheets and lesson plans for primary and secondary students.

[Read more](#)



Drone rules: plain and simple

The Part 101 Plain English Guide can help you when flying a drone for fun. It breaks down the drone safety rules into plain language, using easy-to-understand diagrams, and practical tips to support your safe flying abilities.



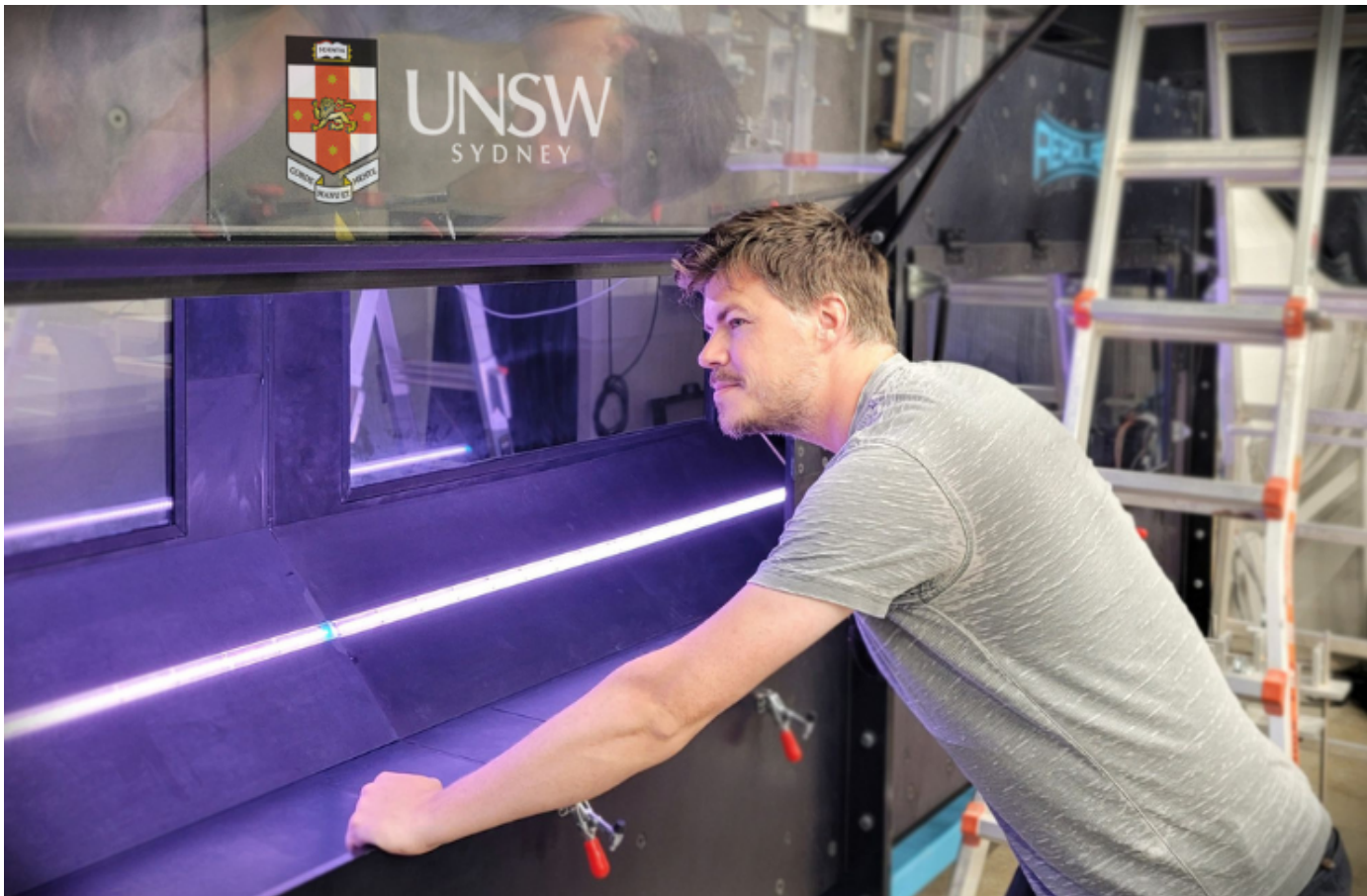
[Read more](#)

Buying a drone

If you're thinking about buying a drone during the end-of-year financial year sales, check out a CASA-recognised drone safety advocate. They provide important safety information with every drone purchase, so you know you're buying from a supplier who takes drone safety seriously.

[Read more](#)





Graham Doig has worked on wind tunnel and flight testing of electric aircraft prototypes in the US and Australia

Drone flyer diary: Graham Doig

Autonomy and electrification are the biggest changes in aviation since the jet engine, with drones leading the way in sustainable aviation. One of the people driving this change is Dr Graham Doig, Senior Lecturer and Director of Drones and Entrepreneurship Programs at the University of New South Wales (UNSW) and founder of Seaflight Technologies.

With 20 years of experience in engineering, Graham has worked on making electric cars more aerodynamic and efficient. His career spans research and industry across Australia and the United States. Seeing an opportunity to create change in the area, Seaflight Technologies was launched in 2022 to help speed up an electric future for aviation.

[Read more](#)



KNOW YOUR DRONE

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