

2017  
*prospectus*



THE FUN, SAFE &  
RESPONSIBLE WAY  
TO FLY DRONES

[www.dronebootcamp.com.au](http://www.dronebootcamp.com.au)

## WELCOME TO THE *drone age*

Pilotless aircraft, often referred to as Drones, Unmanned Aerial Vehicles (UAV) or Remotely Piloted Aircraft Systems (RPAS), are aircraft without a human pilot aboard.

Drones are trending worldwide as costs to purchase them decrease, standard features increase and recreational, commercial and educational opportunities evolve. They're a great tool to connect young learners (and the young-at-heart) to Science, Technology, Engineering & Mathematics (STEM) and Photography, Art & Design (PAD) in the classroom.

However, drone-flying's reputation is at risk due to careless, inexperienced operators using the technology negligently. Education is the key to ensuring that drones are used safely and responsibly and their benefits maximised.



"I WAS A BIT APPREHENSIVE AT THE START BUT BY THE END OF THE DAY I FELT VERY CONFIDENT IN MY ABILITY TO FLY A DRONE AND TOOK AWAY A GOOD UNDERSTANDING OF WHERE IT WAS SAFE TO OPERATE A DRONE." [Emil H]



## FLY DRONES SAFELY *with confidence*

A Canberra start-up established in 2016, **Drone Bootcamp** is taking the lead in advancing drone education by providing safe and responsible drone-flying seminars, demonstration events, learning programs and workshops to a broad audience.

Whether you're a hobbyist looking to fly for fun, a school looking for a PBL activity or an aspiring commercial operator - **Drone Bootcamp** has a program for you.

"I HAD VERY LITTLE EXPERIENCE WITH DRONES AND MARK WAS A VERY PATIENT AND KIND TEACHER. IT WAS WORTH IT ALONE TO LEARN OF THE RULES AND REGULATIONS." [Kylie M]

## INTRODUCING OUR CHIEF *drone nerd*

Mark Will is a graphic designer, photographer and teacher, and as an early adopter of drone technology values its role as an image-capture and education tool. Mark has taught in the ACT college system since 2003, holds the required Working with Vulnerable People (WWVP) credentials and ACT Teacher Quality Institute (TQI) certification.

Mark possesses a Remote Pilots Licence (RePL) having completed the CASA RPAS course with FPV Australia, which permits the commercial operation of drones.

Finally, Mark is a technology and aviation enthusiast with 10 years of service in the Australian Army, a career which provided many and varied flying experiences as a result of photographic duties – a passion that still exists today.



## DO YOU KNOW THE *casa rules?*

Drones are 'aircraft' and therefore subject to mandated regulations overseen by Australia's Civil Aviation Safety Authority (CASA), but many enthusiasts don't know the rules.

Enrolling in a CASA-sponsored **Drone Bootcamp** ensures pilots get the right information about recreational drone flying in Australia.

## THE DRONE BOOTCAMP *mission*

To create, shape and foster safe and responsible recreational drone flying via affordable, high-quality, professionally presented programs as well as delivering current best practice Science, Technology, Engineering & Mathematics (STEM) and Photography, Art & Design (PAD) education to a broad audience.

## OUR *values*

Fun • Safety • Responsibility



## WHAT WE *offer*

- ✓ SCHOOL HOLIDAY PROGRAMS
- ✓ SCHOOL INCURSIONS
- ✓ TEACHER TRAINING (TQI)
- ✓ THE DRAGONFLY PROJECT (PBL)
- ✓ CORPORATE TEAM BUILDING

## COURSE *content*

- ✓ HISTORY & CROSS-CURRICULUM PERSPECTIVES
- ✓ FLYING SAFETY / CASA RULES & REGULATIONS
- ✓ FLYING DRILLS & ACTIVITIES
- ✓ PHOTOGRAPHY & FPV
- ✓ CAREERS & INDUSTRY PATHWAYS
- ✓ RESOURCES & BUYER'S GUIDE



"DRONE BOOTCAMP WAS VERY GOOD, AND YOU GET AN EQUAL AMOUNT OF FLYING TIME AND LESSON TIME, SO YOU LEARN A LOT!" [Lachlan K]

## FUTURE PATHWAYS *AND* careers

- ✓ ADF (SURVEILLANCE & INTELLIGENCE)
- ✓ AGRICULTURE & ENGINEERING
- ✓ CONSTRUCTION & ASSET INSPECTION
- ✓ DISASTER RELIEF & MEDICAL AID
- ✓ MINING, SURVEYING & MAPPING
- ✓ TRAINING & EDUCATION
- ✓ PHOTOGRAPHY, FILM & TV
- ✓ SEARCH & RESCUE



## INTRODUCING **DRONES 101** *for schools*

Are you a 21st-century educator looking to bring a 'reality' to your classroom? Modern-day students are in desperate need of authentic learning opportunities that link cognition and problem-solving with tactile skills for immediate and delayed gratification. We owe it to the next generation of thinkers to provide rich, genuine learning through activities and projects that provide infinite possibilities for curious minds.

The **Drones 101 for Schools** program provides teachers and staff with an introduction to, and familiarisation of, Remotely Piloted Aircraft Systems (RPAS) as a potential stimulus and resource for genuine Science, Technology, Engineering & Mathematics (STEM); Photography, Art & Design (PAD) and Project Based Learning (PBL) opportunities for students.

Contact **Drone Bootcamp** via our website if you are interested in a free in-school demonstration, half or full-day workshops for students and/or 'in service' teacher training. A TQI-approved program is currently being developed and on target to be available in the second-half of 2017.

**"EVERYBODY IS A GENIUS. BUT IF YOU JUDGE A FISH BY ITS ABILITY TO CLIMB A TREE, IT WILL LIVE ITS WHOLE LIFE BELIEVING THAT IT IS STUPID."**  
[Albert Einstein]

### Imagine a project where students could unpack true STEM and PAD objectives?

What if there was an 'out-of-the-box' project where students could learn about aeronautics, radio-guidance, GPS, optics; assemble a quadcopter from scratch; engineer and 3D-print parts; develop teamwork and management skills; design branding and build a website; apply public affairs and communication skills; source community and corporate sponsorship...?

All with the aim of presenting their collaborative efforts at an event that also tests their aircraft's capabilities and challenges their flying skills!

Welcome to **The Dragonfly Project** – an authentic, 21st-century PBL activity providing schools with a tangible, industry-focused and engaging program for teachers and students – one that truly integrates a variety of Key Learning Areas (KLA).

Express your interest in joining the planned 2018 program via the CONTACT US page on the **Drone Bootcamp** website.



**THE DRAGONFLY PROJECT**