



SkySTEM



Explore the Skies with Our Thrilling
4-Week Drone Workshop for
Primary School Students! 



{MattRichards}
Creative Digital Learning



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Embark on an exhilarating journey into the world of drones with our **action-packed workshop** designed especially for primary school students. Get ready to soar to new heights as you delve into the exciting realm of **coding in Swift!**

In this 4-week workshop, young learners will unlock their potential as **drone pilots** and unleash their creativity through coding. Our expert instructors will guide students through a hands-on experience, learning the fundamentals of flight, drone safety, and gain essential skills in Swift.

Students will acquire **valuable computational thinking and problem-solving abilities** - aligned to the Australian Curriculum (Digital Technologies Curriculum). They'll discover how to program drones to execute complex manoeuvres, automate tasks, and even create their own custom flight patterns. With each line of code they write, their confidence will soar higher, empowering them to tackle real-world challenges head-on.

Don't miss out on this incredible opportunity to unleash student potential, master Swift coding, and explore the endless possibilities of aerial robotics.

...and best of all, tell a **great learning story** to your **community!**

We provide:

the drones,
the expertise,
the fun!

You provide:

eager Year 4-6 students
student iPads
an indoor space to fly

4 full days over 4 weeks

\$3000 +GST

The Program

Embedding drone technology into the curriculum is **fun!**... but it's not about controlling 'remote cars in the sky'. Our 4-week program brings **depth**, **purpose**, **creativity** and **grit**.

The program is specifically designed for Year 4 to 6 students and is broken into 2-parts:

Weeks 1-2: Learn to safely control.

In these two weeks, students learn the fundamentals of drone safety, connectivity movement and operation.





Utilising a suitable indoor open space, students will be hands-on from the start. Safety is paramount, as-is maximum interaction. We carry ample charged spare batteries so there is never any down-time.

Weeks 3-4: Engagement

These two weeks see drone technology put to a real-world application.

In partnership with year-level teachers, we can either:

- ✂ **design tasks that align with current classroom learning concepts.**
- ✂ **or, use one of our own existing STEM-based challenges.**

Tell the story!    

Running a drone academy in your school allows for amazing stories and images to share across your community. Take action photos & videos and let us help you create captivating socials posts for great online community engagement.



Digital Technologies

ACTDIK014: Digital Systems

ACTDIP017: Defining problems

ACTDIP019: Algorithms

ACTDIP020: Digital Solutions

ACTDIP022: Plan, Create, Comm ideas

Numeracy: Measurement & Geometry

Science: Science Inquiry Skills

Tello Drones

Produced by Ryze and built on the technology by DJI, the world leader in drone technology.

These drones are safe, agile and reliable to use. They provide the perfect entry-point for students

Only to be used indoors, their light-weight can be influenced by air movement.

Safe and legally permitted to be used within Airport limits.



Swift Playgrounds

Playgrounds is an iOS and Mac app that engages students (and adults!) in learning the coding language Swift!

3rd-party playgrounds allow for the control of devices, such as the Tello drone.

Using Playgrounds give students excellent exposure and understanding of a new, adaptive and aware coding language.

