

## Year 5 – Flight L Plates

## 90mins Lesson 2

Lear	ning Intentions	Lesson C	Outcomes	
plate • Students d • Students r industry w	btain their flight L (learners) emonstrate safe use of drones evise knowledge of jobs in the hich use drones and pathways o work in these fields	<ul> <li>and indoors</li> <li>Understand how</li> <li>Know about dron conduct a pre-flig</li> </ul>	nch, land, and fly a drone manual controls	
Australian Curriculum Content Descriptors		Australian Curriculum General Capabilities		
DescriptorsCapabilitiesDigital TechnologiesCritical and creative thinking – inquiring – identifying, exploring, and organising information and ideasExamine the main components of common digital systems and how they may connect together to form networks to transmit data (ACTDIK014)Critical and creative thinking – generating ideas, possibilities, and actionsDesign and TechnologiesPersonal and social capability – Social awarenessInvestigate characteristics and properties of a range of materials, systems, components, tools and equipment and evaluate the impact of their use (ACTDEK023)Personal and social capability – Social awarenessFormative assessmentDemonstration of ability to launch, land and fly a drone in a square using manual controls in a safe manner.				
Phase/Slide	Learning Activity		Resources	
Slide 1 - 3	<ul> <li>Greetings</li> <li>Introduction</li> <li>Acknowledgement of Traditional Custodians</li> <li>Lesson outcomes</li> </ul>		PowerPoint	
Slide 4 -5 Engage	<ul> <li>Working in teams requires collaboration skills</li> <li>Identifying Computational Thinking skills in lesson –</li> </ul>		PowerPoint	



	decomposition and collaborating	
Phase/Slide	Learning Activity	Resources
Slide 6-10 Explore	<ul> <li>Discuss safety issues</li> </ul>	PowerPoint Video: Drone safety rules
Slide 11 – 16 Explain	<ul> <li>Getting to know the Tello drone</li> <li>Discuss the parts of the drone and what they do</li> </ul>	PowerPoint Tello drone to show students
Slide 17 – 23 Elaborate	Watch the video 'Drone blender'	PowerPoint Video: Drones blender
Slide 24-25 Engage	<ul> <li>Outline the pre flight checklist</li> <li>Identify that students will be in groups of 3 (pilot, co-pilot, and visual observer)</li> <li>Show students the set-up of the space for flight and explain the set up and lanes</li> </ul>	PowerPoint
Slide 26 - 29 Explain	• Drones should be set up and ready (already linked	PowerPoint iPad with Tello Edu app
Slide 30 – 38 Explore		Tello drones iPad with Tello Edu app One drone and iPad per group of 3



Slide 39 – 43	• Wrap up	PowerPoint
Evaluate	Revise drone jobs from previous lesson	