

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	 and indoors Understand how Know about dron conduct a pre-flig 	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	 Greetings Introduction Acknowledgement of Traditional Custodians Lesson outcomes 		PowerPoint	
Slide 4 -5 Engage	 Working in teams requires collaboration skills Identifying Computational Thinking skills in lesson – 		PowerPoint	



	decomposition and collaborating	
Phase/Slide	Learning Activity	Resources
Slide 6-10 Explore	 Discuss safety issues 	PowerPoint Video: Drone safety rules
Slide 11 – 16 Explain	 Getting to know the Tello drone Discuss the parts of the drone and what they do 	PowerPoint Tello drone to show students
Slide 17 – 23 Elaborate	Watch the video 'Drone blender'	PowerPoint Video: Drones blender
Slide 24-25 Engage	 Outline the pre flight checklist Identify that students will be in groups of 3 (pilot, co-pilot, and visual observer) Show students the set-up of the space for flight and explain the set up and lanes 	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	