

#	LESSON	OBJECTIVES	STANDARDS
1	INTRO TO ALGORITHMS	<ul style="list-style-type: none"> • Introduction to Algorithms • Begin Simple App development • Understand App platform 	ACTDIK002 - Recognise and explore patterns in data and represent data as pictures, symbols and diagrams
2	UI CONTROLS	<ul style="list-style-type: none"> • Explore various UI Controls • Create a basic Music App with Image & Sound • Respond to events in UI controls 	ACTDIP018 - Design a user interface for a digital system
3	INTRO TO VARIABLES	<ul style="list-style-type: none"> • Explore Variables with Algorithms • Write logic and convert to a design and code • Explore App Lab and Mini Quiz 	ACTDIP004 - Follow, describe and represent a sequence of steps and decisions (algorithms) needed to solve problems
4	OPERATORS & MATH	<ul style="list-style-type: none"> • Understand Arithmetic Operators • Use Arithmetic Operators in App Lap • Create an Arithmetic App 	ACTDIP016 - Acquire, store and validate different types of data, and use a range of software to interpret and visualise data to create information
5	RELATIONAL OPERATORS	<ul style="list-style-type: none"> • Understand Relational Operators • Use Relational Operators in App Lap • Create an Odd or Even number App 	ACTDIP016 - Acquire, store and validate different types of data, and use a range of software to interpret and visualise data to create information
6	CONTROL ELEMENTS	<ul style="list-style-type: none"> • Understand Conditional statements • Use conditions in App Lab • Create an App for identifying the largest number 	ACTDIP011 - Implement simple digital solutions as visual programs with algorithms involving branching and user input
7	USING OPERATORS	<ul style="list-style-type: none"> • Understand Logical Operators • Use logical operators and conditional statements • Create BMI calculator App 	ACTDIP016 - Acquire, store and validate different types of data, and use a range of software to interpret and visualise data to create information
8	OPERATORS & CONTROLS	<ul style="list-style-type: none"> • Advanced controls and operators • Create a game to Guess the Number 	ACTDIP009 - Collect, access and present different types of data using simple software to solve problems
9	DESIGN TOOLBOX	<ul style="list-style-type: none"> • Explore controls in design toolbox • Create a Quiz App 	ACTDIP011 - Implement simple digital solutions as visual programs with algorithms involving branching and user input
10	MATH PUZZLE	<ul style="list-style-type: none"> • Use advanced operators • Create a Math puzzle App 	ACTDIP011 - Implement simple digital solutions as visual programs with algorithms involving branching and user input