

Levels F-2 Overview of units

We note that some curriculum content descriptors are not addressed in this overview at the time of publishing. School snapshots for the case studies project are classified on a spectrum from "starting out" to "consolidating practices".



	Unit 1	Unit 2
Title / theme	Al Go Ritm	Al Go Ritm 2
Summary / intention	An algorithm is a step-by-step instruction. Computers need clear instructions to work. Robots can be programmed to complete a task.	Computers need clear instructions to work. Robots can be programmed to complete a task.
Approximate number of hours	4	4
Assessment piece or pieces	Nil	1 – program blue-bot, blue-bot mats
Hardware and software tools used	Marble run/blocks	Blue-bot, Blue-bot mats
Curriculum Content Descriptions addressed:	<p>DIGITAL SYSTEMS</p> <input type="checkbox"/> VCDTDS013	<p>DIGITAL SYSTEMS</p> <input type="checkbox"/> VCDTDS013
<p>DIGITAL SYSTEMS</p> <p>VCDTDS013: Identify and explore digital systems (hardware and software components) for a purpose.</p> <p>DATA AND INFORMATION</p> <p>VCDTDI014: Recognise and explore patterns in data and represent data as pictures, symbols and diagrams.</p> <p>VCDTDI015: Collect, explore and sort data, and use digital systems to present the data creatively.</p> <p>VCDTDI016: Independently and with others create and organise ideas and information using information systems, and share these with known people in safe online environments.</p> <p>CREATING DIGITAL SOLUTIONS</p> <p>VCDTCD017: Follow, describe and represent a sequence of steps and decisions (algorithms) needed to solve simple problems.</p> <p>VCDTCD018: Explore how people safely use common information systems to meet information, communication and recreation needs</p>	<p>DATA AND INFORMATION</p> <input type="checkbox"/> VCDTDI014 <input type="checkbox"/> VCDTDI015 <input type="checkbox"/> VCDTDI016	<p>DATA AND INFORMATION</p> <input type="checkbox"/> VCDTDI014 <input type="checkbox"/> VCDTDI015 <input type="checkbox"/> VCDTDI016
	<p>CREATING DIGITAL SOLUTIONS</p> <input checked="" type="checkbox"/> VCDTCD017 <input type="checkbox"/> VCDTCD018	<p>CREATING DIGITAL SOLUTIONS</p> <input type="checkbox"/> VCDTCD017 <input checked="" type="checkbox"/> VCDTCD018

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