Levels F-2 Overview of Units

VCDTCD017: Follow, describe and represent a sequence of steps and decisions (algorithms) needed to solve simple problems.

VCDTCD018: Explore how people safely use common information

systems to meet information, communication and recreation needs



	Unit A	Unit B	Unit C	Unit D
Title / theme	Staying Safe Online	Images and Animation	Coding and Robotics	Data
Summary / intention	Students listen to a picture story book each week. They discuss the online safety messages from each story. Students use the iPads to write or draw a response to each story.	Students learn to use a variety of iPad apps to create images. They learn to save their photos and pictures to the Camera Roll (Library) and to share their them using Airdrop	Students listen to "How to Code a Sandcastle" by Josh Funk and program their partners to build sand castles. They practice being human robots. Students complete a variety of coding challenges with the Blue Bots including travelling between objects, travelling under a bridge, navigating a slalom course and collecting marbles. Students draw a map showing a route taken by their Blue Bot.	Students experiment with sorting objects (Lego, stationery, toy animals) in different ways. Students listen to <i>Noni the Pony Rescues a Joey</i> and collect data about the animals in the story using pictures, letters, tally marks and numbers. They collect and illustrate data about themselves and their families.
	Students create an online safety poster to take home.	Students use Pic Collage to combine their photos and drawings and add text and images from the Web.		
Approximate number of hours	5	8	8	8
Assessment piece or pieces	Participation in Class Discussion	Insect Collage using Pic Collage	Observation of student's ability to program the Blue Bot.	House graphic showing family members.
Hardware and software tools used	Picture Story Books The Fabulous Friend Machine N. Bland The Internet is a Puddle S. Innes Chicken Clicking J. Willis iPad Apps Drawing Pad, Pic Collage Edu, Draw and Tell HD	iPad Apps Camera Photos Drawing Pad Pic Collage Edu	Robots Blue Bot Robots iPad Apps Blue Bot App	Picture Story Book "Noni the Pony" by Alison Lester House Activity https://csermooc.blog/2018/09/karla- santoro%e2%96%b8-task-2-data-patterns-play/ Bug Activity (Owl Glyphs) http://dabblingindata.weebly.com/glyphs.html
Curriculum Content Descriptions addressed:	DIGITAL SYSTEMS	DIGITAL SYSTEMS	DIGITAL SYSTEMS	DIGITAL SYSTEMS
DIGITAL SYSTEMS	☑ VCDTDS013	☑ VCDTDS013	☑ VCDTDS013	□ VCDTDS013
VCDTDS013: Identify and explore digital systems (hardware and software components) for a purpose. DATA AND INFORMATION VCDTDI014: Recognise and explore patterns in data and represent data as pictures, symbols and diagrams.	DATA AND INFORMATION □ VCDTDI014 □ VCDTDI015 ☑ VCDTDI016	DATA AND INFORMATION □ VCDTDI014 □ VCDTDI015 ⊠ VCDTDI016	DATA AND INFORMATION □ VCDTDI014 □ VCDTDI015 □ VCDTDI016	DATA AND INFORMATION ☑ VCDTDI014 ☑ VCDTDI015 ☐ VCDTDI016
VCDTDI015: Collect, explore and sort data, and use digital systems to present the data creatively. VCDTDI016: Independently and with others create and organise ideas and information using information systems, and share these with known people in safe online environments.	CREATING DIGITAL SOLUTIONS □ VCDTCD017 ⊠ VCDTCD018	CREATING DIGITAL SOLUTIONS □ VCDTCD017 ⊠ VCDTCD018	CREATING DIGITAL SOLUTIONS ☑ VCDTCD017 ☐ VCDTCD018	CREATING DIGITAL SOLUTIONS ☑ VCDTCD017 ☐ VCDTCD018
CREATING DIGITAL SOLUTIONS				

Copyright: All Victorian Curriculum and Assessment Authority (VCAA) material is copyright. The VCAA makes no warranties regarding the correctness or accuracy of this DLTV resource. The current Victorian Curriculum and related content can be accessed directly at www.vcaa.vic.edu.au.