

Levels F-2 Overview of Units

	Unit A	Unit B	Unit C	Unit D
Title / theme	Staying Safe Online	Images and Animation	Coding and Robotics	Data
Summary / intention	<p>Students listen to a picture story book each week. They discuss the online safety messages from each story.</p> <p>Students use the iPads to write or draw a response to each story.</p> <p>Students create an online safety poster to take home.</p>	<p>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 them using Airdrop</p> <p>Students use Pic Collage to combine their photos and drawings and add text and images from the Web.</p>	<p>Students listen to "How to Code a Sandcastle" by Josh Funk and program their partners to build sand castles. They practice being human robots.</p> <p>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.</p>	<p>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.</p>
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	<p>Picture Story Books <i>The Fabulous Friend Machine</i> N. Bland <i>The Internet is a Puddle</i> S. Innes <i>Chicken Clicking</i> J. Willis</p> <p>iPad Apps Drawing Pad, Pic Collage Edu, Draw and Tell HD</p>	<p>iPad Apps Camera Photos Drawing Pad Pic Collage Edu</p>	<p>Robots Blue Bot Robots</p> <p>iPad Apps Blue Bot App</p>	<p>Picture Story Book "Noni the Pony" by Alison Lester</p> <p>House Activity https://csermooc.blog/2018/09/karla-santoro%e2%96%b8-task-2-data-patterns-play/</p> <p>Bug Activity (Owl Glyphs) http://dabblingindata.weebly.com/glyphs.html</p>
Curriculum Content Descriptions addressed:	<p>DIGITAL SYSTEMS</p> <p><input checked="" type="checkbox"/> VCDTDS013</p> <p>DATA AND INFORMATION</p> <p><input type="checkbox"/> VCDTDI014 <input type="checkbox"/> VCDTDI015 <input checked="" type="checkbox"/> VCDTDI016</p> <p>CREATING DIGITAL SOLUTIONS</p> <p><input type="checkbox"/> VCDTCD017 <input checked="" type="checkbox"/> VCDTCD018</p>	<p>DIGITAL SYSTEMS</p> <p><input checked="" type="checkbox"/> VCDTDS013</p> <p>DATA AND INFORMATION</p> <p><input type="checkbox"/> VCDTDI014 <input type="checkbox"/> VCDTDI015 <input checked="" type="checkbox"/> VCDTDI016</p> <p>CREATING DIGITAL SOLUTIONS</p> <p><input type="checkbox"/> VCDTCD017 <input checked="" type="checkbox"/> VCDTCD018</p>	<p>DIGITAL SYSTEMS</p> <p><input checked="" type="checkbox"/> VCDTDS013</p> <p>DATA AND INFORMATION</p> <p><input type="checkbox"/> VCDTDI014 <input type="checkbox"/> VCDTDI015 <input type="checkbox"/> VCDTDI016</p> <p>CREATING DIGITAL SOLUTIONS</p> <p><input checked="" type="checkbox"/> VCDTCD017 <input type="checkbox"/> VCDTCD018</p>	<p>DIGITAL SYSTEMS</p> <p><input type="checkbox"/> VCDTDS013</p> <p>DATA AND INFORMATION</p> <p><input checked="" type="checkbox"/> VCDTDI014 <input checked="" type="checkbox"/> VCDTDI015 <input type="checkbox"/> VCDTDI016</p> <p>CREATING DIGITAL SOLUTIONS</p> <p><input checked="" type="checkbox"/> VCDTCD017 <input type="checkbox"/> VCDTCD018</p>

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