

Year 3 Computing 2016-17

<p>I am a coder (coding)</p>	<ul style="list-style-type: none"> - Understand that a keyboard is an input device. - Understand that movement of the character on screen is the output. - Plan and execute a series of commands using a textual programming language e.g. LOGO - Use repetition commands in LOGO to create 2D shapes - Use commands to vary the appearance of lines e.g. thickness, colours, pen up, pen down etc. - Use logical reasoning to solve problems with a real or virtual device e.g. drawing 2 different sized shapes with LOGO • Create procedures in LOGO <p>Scratch/Discovery Coding Program a scratch sprite to move (output) using a keyboard as an input to turn, move and control a sprite</p> <ul style="list-style-type: none"> - Debug a series of commands containing deliberate mistakes - Plan and execute a series of commands using a textual programming language of Scratch. - Use repetition commands in Scratch to create dance moves- move to the beat Scratch card. - To use logical reasoning to explain how some simple algorithms work in Scratch; detect and correct errors in algorithms. <p>To create a series of commands that can be combined or condensed to create more complex or efficient routines called procedures</p>
<p>I am a creator (visual media/music)</p>	<ul style="list-style-type: none"> - Retrieve images from cameras and the internet and begin to use paint packages or photo-manipulation software to change and manipulate the image (e.g. copy/paste/crop/make a stamp) - Animation of building circuits/history of electricity. - Through peer assessment and self evaluation, evaluate design and suggest suitable improvements - Create a short animated sequence to communicate a specific idea making use of a simple storyboard. <p>Sound and Music</p> <p>Creating a waterAid Podcast - Audacity</p> <ul style="list-style-type: none"> - Access audio files and podcasts and comment on their use and content - Use existing sound files from the school network <p>Internet or other sources and discuss copyright Use ICT to select and record voice and sounds for a specific purpose Begin to talk about software which allows easy manipulation and creation of sound and music</p>
<p>I am a collector (data handling)</p>	<p>Be able to answer straight forward questions and produce charts 2graph Y3/ Excel Y4</p> <ul style="list-style-type: none"> - Research information and enter data into a branching database that they create - Use an existing standard database to answer questions. - Create a branching Database
<p>I am a communicator</p>	<ul style="list-style-type: none"> - To understand that information comes in a variety of forms - text, movie, sound and graphic) - Import pictures to Prezi create presentation - Create Comic Strip – ComicLife.com - Create a blog. PrimaryBlogger - Cut, copy and paste in order to refine and reorder content within application
<p>I am a digital citizen</p>	<ul style="list-style-type: none"> ••I can talk about what makes a secure password and why they are important. ••I can protect my personal information when I do different things online. ••I can use the safety features of websites as well as reporting concerns to an adult. •I can recognise websites and games appropriate for my age. ••I can make good choices about how long I spend online. ••I ask an adult before downloading files and games from the Internet. •• I can save and retrieve work on the Internet, the school network or my own device. •• I can talk about the parts of a computer. •• I can tell you ways to communicate with others online. •• I can describe the World Wide Web as the part of the Internet that contains websites. •• I can use search tools to find and use an appropriate website. •• I think about whether I can use images that I find online in my own work.

Ongoing:

- research on espresso
- access to education city
- cross-curricular tasks on purple mash

No.	Topic	
1	Chocolate	How to use education city/Espresso/Showbie
2	I am a communicator	Word/Clicker – formatting text on a list of names
3		Word/PowerPoint text boxes – iPad words
4		Purple Mash poster about Internet research
5		Comic Life words – said synonyms/spelling rules
6		Comic Life – Chocolate topic
7		Comic Life – topic. Pic Collage – How I am e-safe
1	I am a coder	Control/Algorithms – unplugged activities
2		Algorithms Treasure Island - logo
3		Discovery Coding 3a
4		Discovery Coding 3b
5		Discovery Coding Own app
6	Christmas	Discovery Coding debugging
7		2DIY 3d project for Xmas
1 (4)	I am a coder	Control – Makey/Makey
2		Coding – Scratch 'digital gamers' - IPC
3		Coding – Scratch 'digital gamers' - IPC
4		Coding – Scratch 'digital gamers' - IPC
5		Coding – Scratch 'digital gamers' - IPC
6		Coding – Scratch 'digital gamers' - IPC
7		Pic Collage – Gaming safely.
1	I am a Digital Citizen	Ideas Map of systems I see every day
2		Powerpoint - digital communication methods/how systems work
3		Comic Life – passwords
4		Emailing envelope
5		unplugged – Physical systems - traffic lights cards.
6		Powerpoint – Robots
1 (4)	I am a Digital Citizen	Google maps - explore
2		Skitch (learnpads) – analyse maps
3 (3/4)		Skitch (learnpads) – analyse maps
4	I am a creator	Book creator – How to programme (top tips)
5		Book creator - Now add how to debug to last weeks.
6		
1		2draw – a stone age settlement.
2		Texttease – Ideas Map (or popplet) – the stone age
3		Animate IT! – the stone age story
4		Animate IT! – the stone age story
5		Animate IT! – the stone age story
6 (3)		-

BACKUP – Algorithms – Treasure Island or Bee-Bot

- Cyber wristband
- Explain Everything
- Design a gadget!