St. Katharine's Computing Concept Overview

	Digital Literacy	Computer Science	Video & Photography	E-Safety
EY	**IPads** They can select and use technology for a purpose.	**Bee-Bots** Forwards, backwards, left, right.	**IPads** - to take photos.	**Online Relationships** Children recognise who they can ask for help.
1	**PowerPoint** on desktops Formatting pictures Formatting / adding text Formatting PowerPoint	**Bee-Bots** Follow instructions Create algorithms Programme Bee-Bots	**2Create a Story** E-books – create story pages Use drawing tool Adding sounds, animations and formatting backgrounds	**Privacy and Security** Children begin to understand what personal information is. Understand the need for a balance in how they spend their time
2	**Word** on laptops Search safely and effectively using the internet Inputting text and pictures	**Blue-Bot app** on iPad Input algorithms	**Scratch Jr** on iPad Create short animation	**Privacy and Security** Children know who to tell when they see something that makes them uncomfortable
3	**PowerPoint** Search safely and effectively using the internet Input and format images Input and format text	**Scratch -** Code an animation (poem) Animate a Fable Debugging	**Digi maps** Navigate around the map Adding text and images Taking images	**Online Bullying** Recognise impact of good choices and consequences of wrong ones.
4	**Word** Search safely and effectively using the internet Input and format images Input and format text	Programme **Blue-Bots** using iPad **Little Coders Books** Code game Plan game Create game	**Lego Movie Maker on** iPad Use Lego characters to animate Story boarding Create and edit film	**Online Reputation** Children understand that any personal information they put online can be seen and used by others. Children recognise the effect their writing or images might have on others.
5	**Excel** Input data Create graphs / charts Analyse data	Programme **Blue-Bots** using iPad **Scratch** on laptop/computer Plan and create game - Scratch	**iMovie app** on iPad Plan movie trailer Collate images Combine images, text and sound	**Health, Wellbeing and Lifestyle** Children recognise the risks and rewards of using Internet communication Children understand the need to respect the rights of other users.
6	**Excel - c**reate budgeting calculator Use Email and Social media safely and responsibly	Programme **Blue-Bots** using iPad **Scratch** – create adventure game Evaluate game	**iPad camera / iMovie** Create digital advertisement Create video pitch/trailer	**Self-Image and Identity** Children recognise their own responsibly to report concerts. Children recognise the appropriate online tools to collaborate and communicate with others.