Year: 8
Subject: Computing

Term	Week	Focus	Summary	Learning Outcomes	Learning skills
Term 1.1	1	Computing Induction	Rules, Expectations and Systems	To understand the rules and expectations while in the computer lab Ability to log on, setup and use systems needed this academic year	Collaboration and working together
	2	Data Representation	The binary number system	Establish how computers use binary to store numeric data	**META-THINKING**-*Meta cognition* Research skill
	3		ASCII	To explore how characters are converted to and from binary	**AGILE-** *Enquiring* Research skills
	4		Digital audio	Theorise how computers represent bitmap images as a digital format	**ANALYSING**-*Precision* Research skill
	5		Digital images	Store and create images in binary format	**LINKING**- *Connection finding* Collaboration
	6		Uses of Binary	Examine how computers use binary to run programs	**CREATING**- *Intellectual playfulness* Critical Thinking
	7		Review of learning and DIRT		

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Term 1.2	1	Audacity (Audio Editing)	Introduction to Audacity	Examine the process of converting analogue sound waves to digital format. Record sound clips	**Meta thinking**-*Strategy Planning* Research
	2		Working with Sound Effects	Explore tools of Audacity and apply sound effects on the audio clips	**CREATING**- *Intellectual playfulness*
	3		Listening and planning	Plan and create a storyboard for the given task	**LINKING**- *The big picture* Research
	4		Creating an Advert	Explore techniques like ducking and sound reduction. Create an ad based on the storyboard	**EMPATHETIC**- Concerned for society Collaboration
	5		Finishing & Exporting	Able to mix various soundtracks Able to export the final sound file	**CREATING**- *Intellectual playfulness*
	6		Evaluation	Evaluating the final product and identifying areas for self-improvement	**Analysis**- Critical Thinking
	7		Project Submission and DIRT		**EMPATHETIC**- *Collaborative*