Curriculum Subject Outline – Computing 2016-2017

Technology Team Leader: Paul McCool

	Aut I	Aut II	Spring I	Spring II	Summer I	Summer II
Year 1	**Paws, Claws and Whiskers**	**Superheroes**	**Bright lights Big City**	**Rio de Vida**	**Memory Box**	**Dinosaur planet**
	use technology purposefully to create, organise, store, manipulate and retrieve digital content	use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions	use technology purposefully to create, organise, store, manipulate and retrieve digital content use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	create and debug simple programs use logical reasoning to predict the behaviour of simple programs	use logical reasoning to predict the behaviour of simple programs
Year 2	**Muck, Mess and Mixtures**	**Beat Band Boogie**	**Beachcombers**	**Towers, Tunnels and Turrets**	**Land Ahoy!**	**Bounce**
	use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	create and debug simple programs	recognise common uses of information technology beyond school	use technology purposefully to create, organise, store, manipulate and retrieve digital content	use logical reasoning to predict the behaviour of simple programs	use technology purposefully to create, organise, store, manipulate and retrieve digital content

Year 3	Scrumdiddlyumptious	Tribal Tales	Heroes and Villains	Tremors	Predator	Mighty Metals
	design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts	select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration
Year 4	Potions	I am warrior	Road trip USA	Burps Bottoms and Bile	Traders and Raiders	Misty Mountain Sierra
	design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts	use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. use sequence, selection, and repetition in programs; work with variables and various forms of input and output	use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration

Year 5	Peasants Princes and Pestilence	Alchemy Island	Beast Creator	Star Gazers	Allotment	Pharaohs
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| Year 6 | Darwin's Delights, | Revolution | Frozen Kingdom | A Child's War | Gallery Rebels | ID |
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