Comparison of AC v8.4 to v9.0

ACiQ|v9.0

Years 3–4 band: Digital Technologies

Key	same/refined	removed	new	moved

Note:
- the key applies to the content descriptions only
- v8.4 content descriptions may have been reordered to align with v9.0 content descriptions.

Version 8.4			Version 9.0		
Achievement standard			**Achievement standard**		
By the end of Year 4, students describe how a range of digital systems (hardware and software) and their peripheral devices can be used for different purposes. They explain how the same data sets can be represented in different ways. Students define simple problems, design and implement digital solutions using algorithms that involve decision-making and user input. They explain how the solutions meet their purposes. They collect and manipulate different data when creating information and digital solutions. They safely use and manage information systems for identified needs using agreed protocols and describe how information systems are used.			By the end of Year 4, students create simple digital solutions and use provided design criteria to check if solutions meet user needs. Students process and represent data for different purposes. They follow and describe simple algorithms involving branching and iteration and implement them as visual programs. Students securely access and use digital systems and their peripherals for a range of purposes, including transmitting data. They use the core features of common digital tools to plan, create, locate and share content, and to collaborate, following agreed behaviours. Students identify their personal data stored online and recognise the risks.		
Strands	**Sub-strands**	**Content descriptions**	**Content descriptions**	**Sub-strands**	**Strands**
Knowledge and understanding	Digital systems	identify and explore a range of digital systems with peripheral devices for different purposes, and transmit different types of data ACTDIK007	explore and describe a range of digital systems and their peripherals for a variety of purposes AC9TDI4K01	Digital systems	Knowledge and understanding
			explore transmitting different types of data between digital systems AC9TDI4K02		
	Representation of data	recognise different types of data and explore how the same data can be represented differently depending on the purpose ACTDIK008	recognise different types of data and explore how the same data can be represented differently depending on the purpose AC9TDI4K03	Data representation	
Processes and production skills	Collecting, managing and analysing data	collect, access and present different types of data using simple software to create information and solve problems ACTDIP009			Processes and production skills
	Investigating and defining; Generating and designing	define problems, and describe and follow a sequence of steps and decisions (algorithms) needed to solve them ACTDIP010	define problems with given design criteria and by co-creating user stories AC9TDI4P01	Investigating and defining	
			follow and describe algorithms involving sequencing, comparison operators (branching) and iteration AC9TDI4P02 **Moved from Years 5–6 band**	Generating and designing	
			generate, communicate and compare designs AC9TDI4P03 **Moved from Years 5–6 band**		
	Producing and implementing	implement simple digital solutions as visual programs with algorithms involving branching (decisions) and user input ACTDIP011	implement simple algorithms as visual programs involving control structures and input AC9TDI4P04	Producing and implementing	
	Evaluating	explain how student solutions and existing information systems meet common personal, school or community needs ACTDIP012	discuss how existing and student solutions satisfy the design criteria and user stories AC9TDI4P05	Evaluating	
	Collaborating and managing	plan, create and communicate ideas and information independently and with others, applying agreed ethical and social protocols ACTDIP013	use the core features of common digital tools to create, locate and communicate content, following agreed conventions AC9TDI4P06	Collaborating and managing	
			use the core features of common digital tools to share content, plan tasks, and collaborate, following agreed behaviours, supported by trusted adults AC9TDI4P07		
			access their school account using a memorised password and explain why it should be easy to remember, but hard for others to guess AC9TDI4P08	Privacy and security	
			identify what personal data is stored and shared in their online accounts and discuss any associated risks AC9TDI4P09		