

# Computing (Year 8)

Term 1				Term 2				Term 3						
Strands	Digital Media Knowledge		Digital Media Skill		Strands	ICT Knowledge		ICT Skill		Strands	Computing Knowledge		Computing Skill	
I Can Statements	Identify the difference between vector & raster images	Use the basic tools in Photoshop		I Can Statements	Understand what a spreadsheet is and why they are used	Use Formulas to perform formulas in a spreadsheet		I Can Statements	Understand networks & topologies	I can create the constructs of programming				
	Design a digital graphic to suit the client's needs	Use advanced editing tools in Photoshop			Explain the advantages of using graphs for presenting numerical data	Use Formulas to perform functions in a spreadsheet			Understand internet & WWW	I can test my program				
	Successfully save & export a digital graphic	I can create a simple animation			I can explain what a database is	Sort data by a given range and create a chart								
		I can create an animation that carries a simple message				I can create a query to filter information								
		I can use multiple layers				I can use validation								
		I can use tweening and frame-by-frame techniques				I can create a form								
Mastery Statements				Mastery Statements				Mastery Statements						
Emerging		Developing		Emerging		Developing		Emerging		Developing		Mastering		
Identify the difference between vector & raster images	I can identify the difference between vector & raster images	I can explain why they are used for different reasons	I can clearly explain the characteristics of each	Understand what a spreadsheet is and why they are used	I can explain what a spreadsheet it	I can explain what a spreadsheet is and explain why they are used	I fully understand what a spreadsheet is and can give examples of where they are used	Understand networks & topologies	I understand what a network is	I understand network topologies	I fully understand the advantages & disadvantages of each network type			
Use the basic tools in Photoshop	I can use the basics of Photoshop	I can use a range of Photoshop tools	I can used advanced tools on Photoshop	Use Formulas to perform formulas in a spreadsheet	I can explain what formulas are	I can use some formulas on a spreadsheet	I can successfully use a range of formulas.	Understand internet & WWW	I understand what the internet is	I understand the difference between internet & WWW	I understand how these work on networks			
Use advanced editing tools in Photoshop	I can use some advanced tools in Photoshop	I can use a range of advanced tools in Photoshop	I can successfully use all of the advanced tools in Photoshop	Use Formulas to perform functions in a spreadsheet	I can explain what functions are	I can use some functions on a spreadsheet	I can successfully use a range of functions	I can create the constructs of programming	Create a sequence	Create a sequence & selection	Create a sequence, selection & iteration			
Design a digital graphic to suit the client's needs	I understand what a target audience is	I can identify the needs of the client & the target audience	I can create a digital graphic to meet these needs	Explain the advantages of using graphs for presenting numerical data	I can explain the advantages of using a graph	I can create a graphic using data	I can create a graphic using data and labels	I can test my program	I can check my program works	I can spot errors in my program	I can debug my program and implement improvements			
Successfully save & export a digital graphic	I can save a digital graphic	I can save & export a digital graphic	I can save & export a digital graphic & understand the file types involved	Explain what a model is and why it is used.	I can use a model on a spreadsheet	I can explain the advantages of using a model	I can successfully use and explain a model							
I can create a simple animation	Create a simple animation	create a simple animation with text	create a simple animation with text and a tween	Sort data by a given range and create a chart	I can sort data into order	I can soft data in a range of ways	I can sort data and create a chart with the results							
I can create an animation that carries a simple message	Create an animation which contains information	Create an animation which contains text and image	Create an animation which contains relevant text and image about a topic	I can explain what a database is	Explain what a database is	Explain what a database is and give examples	Explain what a database's features are and give examples							
I can use multiple layers	Use layers in an animation	Use overlapping layers in an animation	Use overlapping layers in an animation to create an interaction	I can create a query to filter information	I can create a basic query to filter information	I can create a basic query to filter information with more than one criteria	I can create a basic query to filter information with a range of criteria							
I can use tweening and frame-by-frame techniques	Use basic frame-by-frame steps	Use tweening	Use basic frame-by-frame steps and tweening	I can use validation	I can use validation	I can use validation and explain it	I can use validation on different data types and explain it							
				I can create a form	I can create a basic form	I can create a form with a range of features	I can create a form that is user friendly and has many features							
				I can create a report	I can create a report to display information	I can create a report to display information which has been formatted	I can create a professional looking report.							