Computing Grade Descriptors

Grade 9	• Understand, use and apply Computer Science and Creative iMedia terminology effectively.
	• Use a range of programming techniques in multiple text-based languages confidently.
	• Write efficient code using a wide range of techniques and data structures.
	• Analyse and decompose a range of complex problems and create a solution without any help. Debug code effectively without any support.
	• Create solutions which demonstrate clear and detailed consideration of target audience and for a specific client brief.
	• Use techniques effectively to source, select, store and repurpose appropriate effectively, in a wide range of contexts.
	• Work independently and manage time effectively.
	• Demonstrate in depth research, analytical and evaluative skills.
	• Demonstrate, adapt and apply high levels of creativity.
	• Present information in an articulate manner, with a thorough awareness and understanding of audience and purpose.
	• Create graphics using a wide range of advanced skills and techniques, and export these as appropriate file types.
	• Create websites that contain high levels of functionality and compatibility amongst various devices.
Grade 8	• Use a range of programming techniques in multiple text-based languages.
	• Systematically resolve errors and build robust programs.
	• Analyse and decompose a range of complex problems and create a solution with minimal help.
	• Debug code effectively with minimal support.
	• Create solutions which demonstrate clear and detailed consideration of target audience and for a specific client brief.
	• Demonstrate in depth research, analytical and evaluative skills.
	• Demonstrate, adapt and apply high levels of creativity.
	• Use techniques effectively to source, select, store and repurpose appropriate effectively, in a wide range of contexts.
	• Create graphics using a wide range of advanced skills and techniques, and export these as appropriate file types.
Grade 7	• Use more than one text-based programming language.
	• Always write programs using suitable functions.
	• Create solutions which demonstrate a thorough understanding of target audience and for a specific client brief.

	• Confidently use and apply a wide range of techniques to create work that is fit for purpose. • Use techniques effectively to source, select, store and repurpose appropriate effectively, in a wide range of contexts. • Present information in a strong manner, with a sound awareness and understanding of audience and purpose. • Create graphics using a range of advanced skills and techniques, and export these as appropriate file types. • Create websites that contain good levels of functionality and most compatibility amongst various devices.
Grade 6	• Analyse and decompose a more complex problem with some help. • Use more than one text-based programming language. • Use variables and data types effectively. • Create solutions which demonstrate a sound understanding of target audience and for a specific client brief. • Use and apply a sound range of techniques to create work that is fit for purpose. • Present information in a strong manner, with a sound awareness and understanding of audience and purpose. • Create graphics using a range of standard skills and techniques, and export these as appropriate file types. • Create websites that contain sound levels of functionality and some compatibility amongst devices.
Grade 5	• Analyse and decompose a simple problem. • Use variables and data types effectively with some support. • Explain what functions are. • Create solutions which demonstrate a sound understanding of target audience and for a specific client brief. • Use and apply a sound range of techniques to create work that is fit for purpose. • Present information in a strong manner, with a sound awareness and understanding of audience and purpose. • Create graphics using a range of standard skills and techniques, and export these as image file types. • Create websites that contain sound levels of functionality and most compatibility amongst various devices.
Grade 4	• Work out the outcome of an algorithm using different data. • Use variables and data types effectively with support. • Explain what functions are. • Create solutions which demonstrate a sound understanding of target audience and for a specific client brief. • Use and apply a sound range of techniques to create work that is fit for purpose.

	• Create graphics using a range of standard skills and techniques, and export these as image file types. • Create websites that contain some levels of functionality and some compatibility amongst various devices.
Grade 3	• Write a basic program with minimal support. • Use variables and data types with some support. • Explain what a basic function is. • Create solutions which demonstrate a basic understanding of target audience and for a specific client brief. • Use and apply a range of techniques to create work that is somewhat fit for purpose. • Create graphics using some standard skills and techniques, and export these as an image. • Create websites that contain basic levels of functionality and some compatibility amongst various devices.
Grade 2	• Write a basic program with support. • Explain what a variable and data type is. • Explain what a basic function is with some support. • Create solutions which demonstrate a limited understanding of target audience and for a specific client brief. Use and apply a limited range of techniques to create work that is somewhat fit for purpose. • Create graphics using limited standard skills and techniques. • Create websites that contain limited levels of functionality and limited compatibility amongst various devices.
Grade 1	• Write a basic program with lots of support. • Explain what a variable and data type is with support. • Explain what a basic function is with lots of support. • Create solutions which demonstrate a limited understanding of target audience and for a specific client brief. Use and apply a limited range of techniques to create work that is somewhat fit for purpose. • Create graphics using limited standard skills and techniques. • Create websites that contain limited levels of functionality and limited compatibility amongst various devices.