

INFORMATION AND COMMUNICATION TECHNOLOGY

Division I

LEGEND:

★ - As there is much overlap for the various outcomes, the star indicates ultimate grade level responsibility. Outcomes achieved at earlier grade levels are not repeated in the next level, however it is assumed that the skills are progressive, as in a spiraling curriculum, with simple skills leading to more complex ones and earlier outcomes being maintained and demonstrated at higher levels of efficiency and application.

On-going – indicates those outcomes covered in normal day-to-day use of technology

Illustrative examples are listed by Grade/Subject/Unit, Topic or Strand if applicable /Example Number if applicable e.g. 3SocialA-1 means Gr. 3 Social, Topic E, Plan #1

If there is more than one lesson in any given unit, the lessons will be numbered accordingly, e.g. 3SocialA-1 and 3SocialA-2

Communicating, Inquiring, Decision Making and Problem Solving

GO #	SO#	Specific Outcome	K	Gr. 1	Gr. 2	Gr. 3
C1	Students will access, use and communicate information from a variety of technologies.					
	1.1	access and retrieve appropriate information from electronic sources for a specific inquiry		1LA-1 1LA-2 1LA-3	★ 2ScienceE	3ScienceE
	1.2	process information from more than one source to retell what has been discovered		1LA-3		★ 3ScienceE
C2	Students will seek alternative viewpoints, using information technologies. <i>(no outcomes for this division)</i>					
C3	Students will critically assess information accessed through the use of a variety of technologies.					
	1.1	compare and contrast information from similar types of electronic sources				★ 3ScienceE
C4	Students will use organizational processes and tools to manage inquiry.					
	1.1	follow a plan to complete an inquiry		★ 1LA-1 1LA-2 1Math 1ScienceE-1 1ScienceE-2 1SocialA	2LA 2ScienceE 2SocialA-2	3LA-2 3ScienceE 3SocialB
	1.2	formulate new questions as research progresses			★ 2ScienceE	3LA-2 3SocialB
	1.3	organize information from more than one source			2SocialA-1	★ 3ScienceE 3SocialB
C5	Students will use technology to aid collaboration during inquiry.					
	1.1	share information collected from electronic sources to add to a group task		1LA-1 1LA-2	★ 2LA 2SocialA-2	3ScienceE



C6	Students will use technology to investigate and/or solve problems.				
	1.1	identify a problem within a defined context		★ 1Math	3Math 3SocialB
	1.2	use technology to organize and display data in a problem-solving context		★ 1Math	3Math 3ScienceE 3SocialB
	1.3	use technology to support and present conclusions		1ScienceE-1 1SocialA	★ 2SocialA-1 3ScienceE 3SocialB
C7	Students will use electronic research techniques to construct personal knowledge and meaning.				
	1.1	develop questions that reflect a personal information need		1LA-1 1SocialA	★ 3LA-2 3SocialB
	1.2	summarize data by picking key words from gathered information and by using jottings, point form or retelling			★ 3LA-2 3ScienceE
	1.3	draw conclusions from organized information		★ 1LA-4	2Math-2 2ScienceE 3ScienceE 3SocialB
	1.4	make predictions based on organized information			★ 2LA 2Math-1 2ScienceE



Foundational Operations, Knowledge and Concepts						
GO #	SO#	Specific Outcome	K	Gr. 1	Gr. 2	Gr. 3
F1	Students will demonstrate an understanding of the nature of technology.					
	1.1	identify techniques and tools for communicating, storing, retrieving and selecting information	★ <i>Mouse Click; Identify Software; CD-ROM for use</i>	★ <i>Create files; Copy/paste ; ClipArt; Save files</i>	★ <i>Retrieve & Edit files</i>	★ <i>Online sources; CD-ROM for research</i>
			KLA KMath	1LA-1 1LA-2 1LA-3 1LA-4 1Math 1ScienceE-1 1ScienceE-2 1SocialA	2LA 2Math-1 2Math-2 2ScienceE 2SocialA-1	3LA-1 3LA-2 3SocialB
	1.2	apply terminology appropriate to the technologies being used at this division level	<i>On-going</i>			
	1.3	demonstrate an understanding that the user manages and controls the outcomes of technology	<i>On-going</i>			
F2	Students will understand the role of technology as it applies to self, work and society.					
	1.1	identify technologies used in everyday life			★ 2SocialA-1	
	1.2	describe particular technologies being used for specific purposes	KLA KMath	★ 1LA-2 1Math 1ScienceE-1 1ScienceE-2 1SocialA	2Math-1 2SocialA-1 2SocialA-2	3LA-2 3Math 3SocialB
F3	Students will demonstrate a moral and ethical approach to the use of technology.					
	1.1	demonstrate courtesy and follow classroom procedures when making appropriate use of computer technologies	<i>On-going</i>			
	1.2	work collaboratively to share limited resources	<i>On-going</i>			
	1.3	demonstrate appropriate care of technology equipment	<i>On-going</i>			
	1.4	recognize and acknowledge the ownership of electronic material		1Math	2ScienceE	★ 3ScienceE
	1.5	use appropriate communication etiquette			★ 2SocialA-1	
F4	Students will become discerning consumers of mass media and electronic information.					
	1.1	compare similar types of information from two different electronic sources				★ 3ScienceE



F5	Students will practise the concepts of ergonomics and safety when using technology.					
	1.1	demonstrate proper posture when using a computer	<i>On-going</i>			
	1.2	demonstrate safe behaviours when using technology	<i>On-going</i>			
F6	Students will demonstrate a basic understanding of the operating skills required in a variety of technologies.					
	1.1	perform basic computer operations, which may vary by environment, including powering up, inserting disks, moving the cursor, clicking on an icon, using pull-down menus, executing programs, saving files, retrieving files, printing, ejecting disks and powering down	★ <i>Moving the Cursor; Clicking on an Icon</i>	★ <i>Power up/power down; Logon with userid & generic password; Executing Programs; Pull-down menus; Create files; Save files Print files</i>	★ <i>Logon with userid & personal password; Retrieve & edit files;</i>	★ <i>On-going</i>
	1.2	use proper keyboarding techniques for the home row, enter, space bar, tab, backspace, delete and insertion-point arrow keys		★ <i>Left Hand Keys/ Right Hand Keys; Space Bar with thumb; Enter with pinkie, Backspace, Delete and Arrow Keys</i>	★ <i>Tab Key; Home Row Technique for typing</i>	
	1.3	operate basic audio and video equipment, including inserting, playing, recording and ejecting media		★ 1LA-2 1LA-3		★ 3LA-1



Processes for Productivity

GO #	SO#	Specific Outcome	K	Gr. 1	Gr. 2	Gr. 3
P1	Students will compose, revise and edit text.					
	1.1	create original text, using word processing software, to communicate and demonstrate understanding of forms and techniques		★ 1LA-1 1LA-2 1LA-3 1LA-4 1Math 1ScienceE-1 1ScienceE-2 1SocialA	2LA 2ScienceE 2SocialA-2	3LA-1 3LA-2 3SocialA-1
	1.2	edit complete sentences, using such features of word processing as cut, copy and paste				★ 3LA-1 3LA-2 3SocialA-1
P2	Students will organize and manipulate data.					
	1.1	read information from a prepared database			2ScienceE	★ 3ScienceE
P3	Students will communicate through multimedia.					
	1.1	access images, such as clip art, to support communication	KLA KMath	★ 1LA-1 1LA-2 1LA-3 1LA-4 1Math	2Math-1 2Math-2 2SocialA-1 2SocialA-2	3LA-1 3LA-2 3ScienceE
	1.2	create visual images by using such tools as paint and draw programs for particular audiences and purposes		★ 1Math 1ScienceE-1 1ScienceE-2 1SocialA	2LA	
	1.3	access sound clips or recorded voice to support communication	KLA KMath			★ 3LA-1
P4	Students will integrate various applications.					
	1.1	integrate text and graphics to form a meaningful message	KLA KMath	★ 1LA-1 1LA-2 1LA-3 1LA-4 1Math 1ScienceE-1 1ScienceE-2 1SocialA	2LA 2ScienceE 2SocialA-1	3LA-1 3LA-2 3ScienceE 3SocialB
	1.2	balance text and graphics for visual effect	KLA KMath	1LA-3 1LA-4 1Math 1ScienceE-1 1ScienceE-2	★ 2LA 2Math-1 2Math-2 2ScienceE 2SocialA-1	3LA-1 3LA-2 3Math 3ScienceE 3SocialB



P5	Students will navigate and create hyperlinked resources.				
	1.1	navigate within a document, compact disc or other software program that contains links		★ 1LA-1	3ScienceE
	1.2	access hyperlinked sites on an intranet or the Internet		★ 2ScienceE	3ScienceE 3SocialA-1
P6	Students will use communication technology to interact with others.				
	1.1	compose a message that can be sent through communication technology		★ 2SocialA-1	
	1.2	communicate electronically with people outside the classroom		★ 2SocialA-1	

