

## Appendix B: Student Survey Items Mapped to Technology Literacy Definition

		STS Weight	Communi- cate	Solve Problems	Access Info	Create Info	Integrate Info	Evaluate Info	Manage Info	Improve learning of state content standards	21st Century Skills
1a	Use a word processor (ClarisWorks, Works, Word, etc.) to write and print documents?	1	Yes			Yes					
1b	Use a spreadsheet (ClarisWorks, Works, Excel, etc.) to enter and calculate numbers?	1							Yes		
1c	Use a spreadsheet to create graphs?	2				Yes					
1d	Use a database (ClarisWorks, Works, Access, etc.) to enter information?	1							Yes		
1e	Use a database to search for and sort information and create reports?	2			Yes	Yes			Yes		
2a	Use drawing or painting software (ClarisWorks, Paint, Illustrator, etc.) to create pictures?	1									
2b	Use a video camera to make videos?	2									
2c	Use video editing software (Premier, etc.) to edit videos?	2	Yes								
2d	Use digital cameras and scanners to get pictures into a computer?	1							Yes		

		STS Weight	Communi- cate	Solve Problems	Access Info	Create Info	Integrate Info	Evaluate Info	Manage Info	Improve learning of state content standards	21st Century Skills
2e	Use image-editing software (PhotoShop, etc.) to enhance pictures?	1	Yes								
2f	Use presentation software (PowerPoint, etc.) to create presentations?	1	Yes				Yes				
2g	Use multimedia software (HyperStudio, etc.) to create products?	1					Yes				
3a	Use email to send and receive messages?	1	Yes								
3b	Use online discussions to gather information?	1	Yes		Yes						
3c	Use web authoring software (Claris Home Page, Netscape Composer, etc.) to create web pages?	2	Yes			Yes	Yes				
4a	Use CD-ROMS to gather information?	1			Yes						
4b	Use online reference software (SIRS, EBSCO, etc.) to gather information?	1			Yes						
4c	Use search engines to find information on the World Wide Web?	1			Yes						
4d	Narrow World Wide Web searches using Boolean operators (such as "or", "and", or "not")?	2			Yes						
4e	Use graphing calculators to solve mathematical	1		Yes							

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	problems?										
4f	Use probes (e.g., temperature sensor, motion detector) and probe software to collect and analyze information?	1						Yes			
4g	Use graphic organizers and/or systems thinking software (Inspiration, Stella, etc.) to solve problems?	1		Yes							