

PCS Technology Education Curriculum Standards

Standard 3: Final Draft

6–8

	GRADE 6	GRADE 7	GRADE 8
3. Research & Information Fluency			
Students apply digital tools to gather, evaluate, and use information.			
STRATEGIES	A. Students will plan strategies to guide inquiry		
	TE 6.3.1.a. Create a concept map describing the aspects of a research topic.	TE 7.3.1.a. Create a concept map describing the aspects of a research topic.	TE 8.3.1.a. Create a concept map describing the aspects of a research topic.
	TE 6.3.1.b. Select key topics for exploration.	TE 7.3.1.b. Select key topics for exploration.	TE 8.3.1.b. Select key topics for exploration.
	TE 6.3.1.c. Determine data-collection and search needs and strategies; using a learning management system (e.g. Google, Gaggle, or Wiki's) software to lay out inquiry processes and procedures.	TE 7.3.1.c. Determine data-collection and search needs and strategies; using a learning management system (e.g. Google, Gaggle, or Wiki's) software to lay out inquiry processes and procedures.	TE 8.3.1.c. Determine data-collection and search needs and strategies; using a learning management system (e.g. Google, Gaggle, or Wiki's) software to lay out inquiry processes and procedures.
SOURCES & MEDIA	B. Students will locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media		
	TE 6.3.2.a. Independently develop and apply effective search strategies for locating credible resources in multiple digital databases.	TE 7.3.2.a. Independently develop and apply effective search strategies for locating credible resources in multiple digital databases.	TE 8.3.2.a. Independently develop and apply effective search strategies for locating credible resources in multiple digital databases.
	TE 6.3.2.b. Categorize and classify information to support analysis, synthesize results, and report conclusions.	TE 7.3.2.b. Categorize and classify information to support analysis, synthesize results, and report conclusions.	TE 8.3.2.b. Categorize and classify information to support analysis, synthesize results, and report conclusions.
	TE 6.3.2.c. Use digital bibliographic tools for documentation of digital sources (i.e. URL, author/source, title of source, date accessed).	TE 7.3.2.c. Use digital bibliographic tools for documentation of digital sources (i.e. URL, author/source, title of source, date accessed).	TE 8.3.2.c. Use digital bibliographic tools for documentation of digital sources (i.e. URL, author/source, title of source, date accessed).
TASKS	C. Students will evaluate and select information sources and digital tools based on the appropriateness to specific tasks		
	TE 6.3.3.a. Select and apply appropriate tools and digital resources to accomplish a variety of tasks.	TE 7.3.3.a. Select and apply appropriate tools and digital resources to accomplish a variety of tasks.	TE 8.3.3.a. Select and apply appropriate tools and digital resources to accomplish a variety of tasks.
	TE 6.3.3.b. Justify the use of digital tools and resources based on efficiency and effectiveness	TE 7.3.3.b. Justify the use of digital tools and resources based on efficiency and effectiveness	TE 8.3.3.b. Justify the use of digital tools and resources based on efficiency and effectiveness

	for completing the projects.	for completing the projects.	for completing the projects.
DATA & RESULTS	D. Students will process data and report results		
	TE 6.3.4.a. Independently develop a strategy for gathering and analyzing data (e.g., spreadsheet, visualization tools).	TE 7.3.4.a. Employ data-analysis tools (e.g., spreadsheet, visualization tools) to analyze data collections.	TE 8.3.4.a. Employ data-analysis tools (e.g., spreadsheet, visualization tools, graphing calculators) to analyze data collections.
	TE 6.3.4.b. Create, interpret, and report data (e.g., bar, pie, column, and line graphs) using digital tools.	TE 7.3.4.b. Create, interpret, and report data (e.g., bar, pie, column, and line graphs) using digital tools.	TE 8.3.4.b. Create, interpret, and report data (e.g., bar, pie, column, and line graphs) using digital tools.