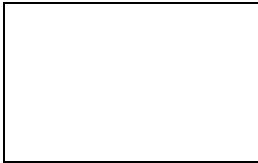


**PCS Technology Education Curriculum Standards**  
**Standard 4: Final Draft**  
**6–8**

	GRADE 6	GRADE 7	GRADE 8
<b>4. Critical Thinking, Problem Solving, &amp; Decision Making</b> Students use critical thinking skills to plan and conduct research, manage projects, solve problems and make informed decisions using appropriate digital tools and resources.			
<b>INVESTIGATION</b>	<b>A. Students will identify and define authentic problems and significant questions for investigation</b>		
	TE 6.4.1.a. Explore a content-related issue or problem (e.g., historical or present-day issues or problems informed by authentic resources from government, media, and other expert advisors).  TE 6.4.1.b. Apply research strategies to obtain information and data related to the identified problem.	TE 7.4.1.a. Explore a content-related issue or problem (e.g., historical or present-day issues or problems informed by authentic resources from government, media, and other expert advisors).  TE 7.4.1.b. Apply research strategies to obtain information and data related to the identified problem.	TE 8.4.1.a. Explore a content-related issue or problem (e.g., historical or present-day issues or problems informed by authentic resources from government, media, and other expert advisors).  TE 8.4.1.b. Apply research strategies to obtain information and data related to the identified problem.
	<b>B. Students will plan and manage activities to develop a solution or complete a project</b>		
<b>ACTIVITIES</b>	TE 6.4.2.a. Conceptualize, guide, and manage individual or group activities using digital planning tools for completing a project or solving a problem.	TE 7.4.2.a. Conceptualize, guide, and manage individual or group activities using digital planning tools for completing a project or solving a problem.	TE 8.4.2.a. Conceptualize, guide, and manage individual or group activities using digital planning tools for completing a project or solving a problem.
<b>DATA</b>	<b>C. Students will collect and analyze data to identify solutions and/or make informed decisions</b>		
	TE 6.4.3.a. Select and apply digital tools to collect, organize, and analyze data for evaluating theories and testing hypotheses.  TE 6.4.3.b. Document possible bias & evaluate credible sources.  TE 6.4.3.c. Use statistical and/or graphed data to organize and present the problem and possible solutions in digital format.	TE 7.4.3.a. Select and apply digital tools to collect, organize, and analyze data for evaluating theories and testing hypotheses.  TE 7.4.3.b. Document possible bias & evaluate credible sources.  TE 7.4.3.c. Use statistical and/or graphed data to organize and present the problem and possible solutions in digital format.	TE 8.4.3.a. Select and apply digital tools to collect, organize, and analyze data for evaluating theories and testing hypotheses.  TE 8.4.3.b. Document possible bias & evaluate credible sources.  TE 8.4.3.c. Use statistical and/or graphed data to organize and present the problem and possible solutions in digital format.
	<b>D. Students use multiple processes and diverse perspectives to explore alternative solutions</b>		
<b>SOLUTIONS</b>			



TE 6.4.4.a. With teacher assistance, apply digital tools and resources to explore a topic from the perspective of multiple stakeholders and propose more than one possible solution.

TE 7.4.4.a. With teacher assistance, use electronic data collection and collaborative authoring tools to explore and document point of view based on location, environment, or culture and to evaluate solutions from a variety of perspectives.

TE 8.4.4.a. Use electronic data collection and collaborative authoring tools to explore and document multiple points of view based on location, environment, or culture and to evaluate solutions from a variety of perspectives.