

PCS Technology Education Curriculum Standards
Standard 4: Final Draft
PK-2

	PRE-K	KINDERGARTEN	GRADE 1	GRADE 2
4. Critical Thinking, Problem Solving, & Decision Making Students use critical thinking skills to plan and conduct research, manage projects, solve problems and make informed decisions using appropriate digital tools and resources.				
INVESTIGATION	A. Students will identify and define authentic problems and significant questions for investigation			
	TE PK.4.1.a. With teacher assistance, explore and offer solutions to everyday problems (e.g., how to dress for the day's weather, important aspects of taking care of a pet, which community helper might help in a given situation). TE PK.4.1.b. Offer questions and answers for teacher to record.	TE 0.4.1.a. Identify ways technology can help them explore and understand everyday problems (e.g., how to dress for the day's weather, important aspects of taking care of a pet, which community helper might help in a given situation). TE 0.4.1.b. Offer questions and answers for teacher to record.	TE 1.4.1.a. Identify ways technology can help them explore and understand everyday problems (e.g., how to dress for the day's weather, important aspects of taking care of a pet, which community helper might help in a given situation). TE 1.4.1.b. With help of teacher, record questions and findings.	TE 2.4.1.a. With teacher assistance, use print and online resources to identify significant issues for their school or community (e.g., social media, cyberbullying, recycling). TE 2.4.1.b. With help of teacher, record questions and capture answers (e.g., use iPod touches to record voices).
ACTIVITIES	B. Students will plan and manage activities to develop a solution or complete a project			
	TE PK.4.2.a. Tries several alternative methods to solve a problem and is highly involved and persistent.	TE 0.4.2.a. Apply strategies with teacher support to utilize information and digital resources to complete an activity or solve a particular problem.	TE 1.4.2.a. Apply strategies with teacher support to utilize information and digital resources to complete an activity or solve a particular problem.	TE 2.4.2.a. Identify and apply strategies with teacher support to select information and digital resources to complete an activity or solve a particular problem.
DATA	C. Students will collect and analyze data to identify solutions and/or make informed decisions			
	TE PK.4.3.a. Begins to find answers to questions through active investigation. TE PK.4.3.b. With teacher support, record results using digital resources (e.g. Promethean board) as a whole group.	TE 0.4.3.a. With help of teacher, collect data on an everyday problem or issue. TE 0.4.3.b. With teacher support, record results using digital resources (e.g. Promethean board) as a whole group.	TE 1.4.3.a. With help of teacher, collect data on an everyday problem or issue. TE 1.4.3.b. With teacher support, record results using digital resources (e.g. Promethean board) as a whole group.	TE 2.4.3.a. Collect data on an everyday problem or issue. TE 2.4.3.b. With teacher support, record results using digital resources (e.g. organizational tool).

	TE PK.4.3.c. Reflects on experiences and information, and interprets or draws conclusions based on that information.	TE 0.4.3.c. Identify patterns and propose a developmentally appropriate decision or solution with teacher support.	TE 1.4.3.c. Identify patterns and propose a developmentally appropriate decision or solution with teacher support.	TE 2.4.3.c. Identify patterns and propose a developmentally appropriate decision or solution with teacher assistance.
SOLUTIONS	D. Students use multiple processes and diverse perspectives to explore alternative solutions			
	TE PK.4.4.a. Shows increasing ability to classify, compare and contrast objects, events and experiences.	TE 0.4.4.a. With teacher support, think problems through, considering several possibilities and discussing results.	TE 1.4.4.a. With teacher support, think problems through, considering several possibilities and discussing results.	TE 2.4.4.a. With teacher assistance, think problems through, considering several possibilities and discussing results.