

Standard Clarification for Early Childhood Mathematics

ECSQ.SimpleOperationsandBeginningAlgebraicThinking.5.7

Standard SOBAT.5.7		DOK
Begin to understand that simple concrete and representational graphs are ways of collecting, organizing, recording, and describing information.		1
Content: What do we want students to KNOW?	Skills: What do we want students to be able to DO?	
<ul style="list-style-type: none"> • simple concrete graphs – visual representation of a set of objects where some pairs of objects are connected (e.g., line, bar, pie, pictograph) • representational graphs – symbolic organization of information in a set 	<ul style="list-style-type: none"> • begin to understand – start to know and use • collecting information – gathering data • organizing information – grouping data in meaningful ways • recording information – writing or symbolically representing the collected and/or organized data • describing information – attributes assigned to the collected, organized, and/or recorded data 	
Type of Target	Learning Targets: I Can Statements	DOK
K	I can begin to understand that simple concrete graphs are ways of collecting, organizing, recording, and describing information.	1
K	I can begin to understand that representational graphs are ways of collecting, organizing, recording, and describing information.	1
K	I can begin to understand that simple concrete and representational graphs are ways of collecting, organizing, recording, and describing information.	1
Notes/Examples		
TS Gold Connections:		
<ul style="list-style-type: none"> • 14a Uses symbols and images to represent something not present: Thinks symbolically (level 6+) 		
Resources Used		
Michigan Department of Education (2013). <i>Early childhood standards of quality for prekindergarten</i> . Lansing, MI: Michigan Department of Education.		