Grade 1 Mathematics – Unit 6: Graphing

Phoenixville Area School District

Stage 1 Desired Results	
PA Core Standards: CC.2.4.1.A.4 Represent and interpret data using tables/charts. CC.2.4.2.A.4 Represent and interpret data using line plots, picture graphs, and bar graphs. **(2nd grade standard)**	***Transfer***
	TRANSFER GOALS *Students will be able to independently use their learning to…* • Problem-solving: Persistently apply various problem-solving strategies and organize approaches to accurately understand and solve problems. • Mathematical Vocabulary: Interpret mathematical vocabular and apply proper terminology to engage in meaningful oral and written expression that communicates mathematical thinking, problem-solving methods, and rationale.
	Meaning
	UNDERSTANDINGS *Students will understand that…* • Organizing/interpreting data helps us make inferences and draw conclusions. • Mathematical operations can be modeled through a variety of representations. <td>ESSENTIAL QUESTIONS *Students will keep considering...* • How can models and graphs be used to share and understand information? • How do we use data to make decisions?</td>
PSSA Assessment Anchors: [Add anchors]	***Knowledge and Skills Acquisition***
	KNOWLEDGE *Students will know…* • How to collect and organize data in a chart/table. • How to analyze and understand data in a chart/table. • How to use tally marks in a chart to represent data. <td>SKILLS *Students will be skilled at…* • Collect data and organize in a table. • Collecting data and organize in a tally chart. • Understand data in graphs by answering questions. • Drawing picture graphs from collected data.</td>

VOCABULARY
- Picture graph
- Bar graph
- data
- Symbol
- Tally mark

Stage 2 – Evidence

Code A/M/T	Evaluative Criteria	Assessment Evidence	
M/T	*Rubric*	PERFORMANCE TASK(S) *Students will demonstrate understanding (meaning-making and transfer) through complex performance by...* **Ice Cream Shop** You have been asked to open an ice cream shop. - *Goal:* Your task is to survey your classmates about their favorite ice cream flavor. You will provide them with 5 flavors to select from and identify their top 3 choices. - *Role:* You are an ice cream shop owner. - *Audience: customers* - *Situation: You will show the collected data in a graph.* - *Product:* You will...collect and organize the data into a tally chart, picture graph and bar graph. - *Success Criteria:* Your graph must include a title, labels, and totals. Performance Task example Introduction Video example	Differentiation Considerations: [Work on this section after completing Stages 1-2 of all units]