



Developing a Graph from a Narrative *and* Developing a Narrative from a Graph Teacher Notes

About this activity set: The idea behind Developing a Graph from a Narrative is to have students read a narrative description of electricity use and sketch a graph that they think would result from the activities outlined in the narrative. Instruct students to focus on the shape of the graph and not graphing conventions.

Once students have constructed their graphs, engage them in partner and/or whole class discussions around their thinking as they developed their graphs. Ask students how they showed relatively high amounts of electricity use vs. low amounts of electricity use, constant electricity use, sharp changes in electricity use, etc.

In Developing a Narrative from a Graph, students are given a sample of a real-time electricity graph and are asked to write a scenario of electricity use that would match the display. As an alternative or as additional practice, students can trade their narratives with classmates and be asked to sketch a matching graph.

Either of these activities can be used as an assessment.