## Module 2: Activity Sheet 2

| **Learning Goals** | | **Success Criteria (SC)** | |
| --- | --- | --- | --- |
| * Understand the structure of a coordinate grid * Relate the procedure of plotting points in quadrants to the structure of a coordinate grid | | 1. I can talk & write about plotting points on a coordinate grid using correct vocabulary 2. I can plot and label points in each quadrant on a coordinate grid 3. I can create a rule about coordinate for each quadrant | |
| **Start of Lesson** | **Middle of Lesson** | | **End of Lesson** |
| **Method:**  *Vocabulary “Whip Around” to elicit prior knowledge and see how students understand the concept* | **Method:**  *Walk coordinates to label each location on large graph (SC2).*  *Describe the process verbally using correct vocabulary (SC1)* | | **Method:**  *Generalize quadrant locations for set of coordinates verbally and in writing-cooperative groups (SC3)* |
| **Opening Question:**  *What comes to mind when you think of coordinate graphing?* | **Strategy:**  *Plot and label points in four quadrants to individually-design a fictional town “Robertsville” (SC1,2).* | | **Strategy:**  *Chart created rules for each quadrant & gallery walk (SC3).*  **Strategy:**  *Reflection-self assessment (SC1, SC2, SC3)* |
| **Success Criteria:**  *Targeted vocabulary use: origin, x-axis, y-axis, coordinates, quadrant (SC1)* | **Success Criteria:**  *Plots and labels points in each quadrant on a coordinate grid.* | | **Success Criteria:**  *Creates a rule about coordinate for each quadrant.* |

| Start of Lesson: **Questions** | Middle of Lesson: **Questions** | End of Lesson: **Questions** |
| --- | --- | --- |
| * *Are we in agreement* * *with these definitions?* * *How might we make definitions more clear?* * *Are any big ideas missing?* * *How might some of these terms go together?* | * *Where should you start?* * *How would you label this point? How do you know?* * *Tell me your thinking.* * *How do you know you’ve plotted this point correctly?* | * *What are you noticing about all the coordinates in this quadrant?* * *How are the coordinates alike? Different?* * *How might you develop a rule for all the coordinates in this quadrant?* * *How can you organize the coordinates in Quadrant 1 so you can analyze them? (a list, chart, table…)* |