**Old McLevecque’s Farm Perimeter and Area Project Rubric**

**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| Expectation | Level 1 | Level 2 | Level 3 | Level 4 |
| Problem Solving- develop, select, and apply problem-solving strategies as they pose and solve problems and conduct investigations, to help deepen their mathematical understanding; (MPE5m1) | Student could not effectively use problem solving strategies to create different parts of the farm according to given dimensions | Student uses problem solving strategies to create different parts of the farm according to given dimensions with some difficulty | Student uses problem solving strategies to create different parts of the farm according to given dimensions well | Student uses problem solving strategies to create different parts of the farm according to given dimensions effectively |
| Communication: Expression and organization of ideas and mathematical thinking (e.g., clarity of expression, logical organization), using oral, visual, and written forms (questions D, E) | Student cannot communicate mathematical thinking clearly | Student can communicate mathematical thinking with some difficulty | Student can communicate mathematical thinking well | Student can communicate mathematical thinking thoroughly |
| **2.**Students will estimate, measure, and record perimeter and area (OE 5m31) | Student cannot estimate, measure and record perimeter and area | Student estimates, measures and records perimeter and area with some difficulty | Student estimates, measures and records perimeter and area well | Student estimates, measures and records perimeter and area effectively |
| 3.Students will estimate and measure the perimeter and area of regular and irregular polygons, using a variety of tools (e.g., grid paper, geoboard, dynamic geometry software) and strategies. (SE5m36) | Student cannot estimate and measure area and perimeter of regular and irregular polygons with different tools. | Student can measure and estimate area and perimeter of regular and irregular polygons with different tools with some difficulty  | Student can measure and estimate area and perimeter of regular and irregular polygons with different tools well | Student can measure and estimate area and perimeter of regular and irregular polygons with different tools consistently |