**Modeling with Trigonometric Functions Assessment**

**TASK 3: Tides Scoring Rubric**

**40 point Major Assessment**

**Your virtual poster must be submitted in the myPG platform as a single PDF file (1 page only) in order for it to be considered for evaluation.**

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| **Criteria** | **Possible Points** | **Points Earned** |
| The virtual poster includes all 8 data points along with a scatterplot of the 8 data points.   * Accurately labeled x - axis * Accurately labeled y - axis   *Be sure to include complete MLA citations for where you got the information you used.* | 5 |  |
| Accurate Amplitude and Period of the graphed scatterplot are listed | 5 |  |
| Accurate Sine Model for the graphed daylight hours   * Accurate a, b, c, and d value | 10 |  |
| Accurate Cosine Model for the graphed daylight hours   * Accurate a, b, c, and d value | 10 |  |
| Graph of the sine and cosine model you created to model the tide heights is given on top of the scatter plot to show how well your models match the scatter plot. | 5 |  |
| Virtual Poster is Quality Work   * Information is formatted in a way that makes it clear for the consumer to understand presented information * Aesthetic composition of analytical work and presented information is of high standard | 5 |  |