Scatter Plot Grading Rubric

	Mastery **5**	**Proficient** **4**	**Nearly Proficient** **3**	**Emerging** **2**
Graph Info	All graphs consist of title, labels, and consistent and appropriate intervals. All 20 points plotted correctly	Lacking 1 of the following items: title, labels, or consistent and appropriate intervals. Has between 15-19 points plotted.	Lacking 2 of the following items: title, labels, or consistent and appropriate intervals. Has between 10-14 points plotted.	Contains only 1 of the following items: title, labels, or consistent and appropriate intervals. Has less than 10 points plotted.
Data	Data 1. Has pos/neg correlation. 2. Listed/labeled neatly 3. Sources cited	Lacking 1 of: 1. Has pos/neg correlation. 2. Listed/labeled neatly 3. Sources cited	Lacking sources for data.	Does not contain a list of data
Prediction Equation	1. Line of Best fit is the BEST fit. 2. Accurate Prediction equation 3. Prediction equation matches line of best fit through the points that you used to create your equation.	1. Line of Best fit is the close to BEST fit. 2. Minor calculation error with prediction equation 3. Prediction equation matches line of best fit through the points that you used to create your equation.	Prediction equation and line of best fit do not match. Ex: Data points used for equation incorrectly represent the line of best fit, prediction equation does not pass through the intercept of the line graphed.	1. Evidence or work shown of how you derived equations. 2. Line of best fit missing
Interpretation	1. Questions are relevant to the data presented; they are used to predict values inside and outside the range of your data, but not including your exact data points. 2. Reflection answers all questions presented and shows understanding of prediction equations and what they do.	1. Questions are relevant to the data presented but are predicting only outside of the range of your data. 2. Reflection answers all questions presented and shows understanding of prediction equations and what they do.	1. Makes predictions without a discussion of why or how it is accurate. 2. Only makes predictions inside data range. 3. Unable to explain understanding of prediction equations.	Asks yes or no questions.
Peer Review	Peer went through with the rubric, showing work to support their findings. Peers must agree that equations are accurate by finding the same prediction equation on a separate sheet of paper.		Peer review showed no work.	No peer review.