Rubrics for Robotics Explorations Assessment

	(4) Advanced - A	(3) Proficient - B	(2) Basic - C	(1) Below Basic - D or E
Build/ Program Test Robot	• Robot is built accurately with no mistakes • Robot is programmed accurately with no errors	• Robot is built with few mistakes • Robot is programmed with few errors	• Robot is built with some mistakes • Robot is programmed with some errors	• Robot is built with some mistakes • Robot is programmed with some errors • Robot is built with many mistakes • Robot is programmed with many errors
Data Analysis/ Scientific Method	• Make reasonable predictions based on prior knowledge • Correctly gather and record all data • Accurately construct a bar graph illustrating results	• Make predictions based on prior knowledge • Correctly gather and record most data • Construct a bar graph illustrating results with few errors	• Predictions are irrational and not based on prior knowledge • Correctly gather and record some data • Construct a bar graph illustrating results with some errors	• No predictions made • Data is not gathered or recorded correctly • Bar graph is inaccurate
Writing an Analytical Paragraph	Paragraph includes: • A topic statement accurately presenting information on probability. • A detailed explanation of how the results of the trial compare with probability calculations. • A concluding statement thoroughly summarizing results of the experiment.	Paragraph includes: • A topic statement accurately presenting information on probability. • An explanation of how the results of the trial compare with probability calculations. • A concluding statement summarizing results of the experiment.	Paragraph includes: • A topic statement presenting some information on probability. • Some explanation of how the results of the trial compare with probability calculations. • A concluding statement summarizing some results of the experiment.	Paragraph includes: • A topic statement that does not present information on probability. • Little explanation of how the results of the trial compare with probability calculations. • A concluding statement that does not summarize results of the experiment.