

Criteria		Performance			Weight	Comments
1	Follow the instructions to create the random climb model. Your teacher needs to see that it works before you modify it. Demonstrate it to, or save a copy for, your teacher.	The original random climb model includes a table of 60 random values generated by correct formulas. <u>10</u> 9	The original random climb model includes a table of at least 50 values generated by correct formulas. 8 <u>7</u> 6	The original random climb model has fewer than 50 values generated correctly. 5 4 3 2 1 <u>0</u>	2	
2	See above.	The original model includes a graph that accurately represents the data. The x- and y- axes are formatted correctly. <u>10</u> 9	The original model includes a graph that represents the data. There is an error with the axes formatting. 8 <u>7</u> 6	The graph of the original model is missing or contains more than one error. 5 4 3 2 1 <u>0</u>	2	
3	On the page titled 'Collect and Analyze Sample Data,' write complete answers to questions 1 and 2. This involves calculating experimental probabilities for Jack's random climb.	Questions 1 and 2 are answered correctly and completely. <u>10</u> 9	One of the questions is answered correctly and completely. 8 <u>7</u> 6	Neither question is answered correctly and completely. 5 4 3 2 1 <u>0</u>	3	
4	Write a complete answer to question 3. This involves calculating experimental probabilities for a 100 meter high cliff. Your teacher may ask you to demonstrate, print, or save a copy of this model.	The model was modified and used to answer the question correctly and completely. <u>10</u> 9	There is an error in the way the model was modified or in the written answer. 8 <u>7</u> 6	There are two or more errors in the way question 3 has been addressed. 5 4 3 2 1 <u>0</u>	3	
5	Carefully build a model of the situation described in question 4. Your teacher may ask you to demonstrate, print, or save a copy of this model.	The 'roll a die' model includes a table of 40 random values generated by correct formulas. The graph accurately represents the data and the axes are formatted appropriately. <u>10</u> 9	The 'roll a die' model includes a table of at least 30 values generated by correct formulas. The graph accurately represents the data. 8 <u>7</u> 6	The 'roll a die' model has fewer than 30 values generated correctly or the graph is missing or substantially inaccurate. 5 4 3 2 1 <u>0</u>	3	
6	Respond to all parts of question 4. Be prepared to defend the size of the data samples you choose to use, and your conclusions.	The written responses to question 4 are correct and complete. <u>10</u> 9	Most of the written responses to question 4 are correct and complete. 8 <u>7</u> 6	Most of the written responses to question 4 are incorrect or incomplete. 5 4 3 2 1 <u>0</u>	3	

Technology Literacy Assessment: / 100%