

Benjamin Franklin Project Rubric Select a city & create a product, like a paper, story, interview, newsletter bulletin, or special report for a financial magazine, that includes:	Padawan missing or incomplete	Proficient generally demonstrates	Outstanding thoroughly demonstrates
<p>Equations and Excel</p> <ul style="list-style-type: none"> • Explained the general lump sum formula, including the variables • Included the equation for the 1st hundred years in my city with both sides of the lump sum formula and the rate left as a variable: $391000 = 4444.44(1 + \text{rate})^{100}$ or $172350 = 4444.44(1 + \text{rate})^{100}$ • Included the equation for the 2nd hundred years in my city with both sides of the lump sum formula and the rate left as a variable • Included the portion of the Excel chart related to my city within the product (not as an appendix) • Explained the equations and Excel chart • Explained the Excel process of cell referencing and Goal Seek solutions 			
<p>Critical and Creative Thinking</p> <ul style="list-style-type: none"> • Analyzed why the lump sum formula is appropriate here when money is going in and out of the account • Used all the readings listed on http://cs.appstate.edu/~sjg/class/1010/wc/finance/benfreadings.html and analyzed and summarized all the information related to my city • Interpreted the numbers in the context of real-life situations [Examples: where is 4444.44 from? What happened that only led to 172350? Why wasn't the average earned rate 5%?] • Explained and resolved the seemingly disparate concepts of average earned rate of the fund versus the 5% lent rate • Compared and contrasted how the fund earned its money with Benjamin Franklin's plan for how the fund would earn its money • Compared and contrasted the actual earned amounts with Benjamin Franklin's planned amounts • Compared and contrasted the distribution of the fund at the end of the first hundred years with Benjamin Franklin's plan for the city and state • Compared and contrasted the distribution of the fund at the end of the second hundred years with Benjamin Franklin's plan for the city and state 			
<p>Effective Communication</p> <ul style="list-style-type: none"> • Used modern language and it looks or sounds appropriate for the type of product you selected • Discussed the mathematics and news article information in your own words • Produced publication-quality work including professional mathematical notation like superscripts $391000 = 4444.44(1 + \text{rate})^{100}$ (use superscripts for all instances except when discussing what formula to type into Excel) • Has a consistent style and flows smoothly, including mathematics and history that flow well together • Included proper citations as a list at the end of the document for proficiency [outstanding citations would be in-text citations]. 			