**The Set**  
As we have been studying Interest through savings accounts, car loans, annuities, and other financial devices it might have become apparent that this kind of iterative mathematics is rather dynamic and different from your previous mathematical experiences. This project is designed to help you become immersed in this mathematics, so that you might be better prepared as you live your life as a patron of the Financial System.

**The Task**You and your partner will consider a financial scenario that is of interest involving a transaction of at least $10,000. This could be a loan for college, or car, or it could be a saving event for something like a house, or retirement. Your team will need to spend some time considering the essential question for the project. In addition you will need to do some research on the front end, before you decide what you want to explore.  
The focus of the project is to determine the Actual Cost or Value of the financial transaction at the end.

When you come to a consensus on your project email your teacher the specifics for approval. Make sure you pick a transaction that qualifies by being relevant to your team and of sufficient value.

Once your project has been approved, you will need to research the transaction. What interest rate you might find, where you will get the money, or place it, etc. Your team will do the necessary calculations and prepare a report in the form of a web page, power point or Word document. The report will be evaluated as shown below. You may need to visit a bank, or business to get the need information as well as calling and researching on the Internets

**Report Requirements**Statement of the Financial Transaction – 20 points  
Statement of the Actual Cost/Value – 40 points  
Correctness of the mathematics used to determine the answer to the question – 40 points  
Clarity of the explanation of path to solution and solution – 40 points  
Correct use of grammar – 20 points  
Statement of personal relevance and any SLC connections of this financial transaction – 40 points  
References – 20 points

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|  | **4** | **3** | **2** | **1** |
| Statement of the Financial Transaction  (20) | Clear and complete explanation | Some flaws in statement, missing facts | Some effort in explanation | Transaction not approved |
| Statement of the Actual Cost/Value  (40) | Valid explanation based on calculations | Reasonable statement with some assumptions not supported by calculations | Statement given with some effort shown | Incorrect |
| Correctness of the mathematics used to determine the answer to the question  (40) | Explanation shows complete understanding of the mathematical concepts. Steps and solutions have no mathematical errors. | Explanation shows substantial understanding of the mathematical concepts | Explanation shows some understanding of the mathematical concepts. | Explanation shows some limited understanding of mathematical concepts, or is not written. |
| Clarity of the explanation of path to solution and solution  (40) | The work is presented in a neat, clear, organized fashion that is easy to read. | The work is presented in a neat and organized fashion that is usually easy to read. | The work is presented in an organized fashion but may be hard to read at times. | The work appears sloppy and unorganized. It is hard to know what information goes together. |
| Correct use of grammar  (20) | No grammatical errors | Minor grammatical errors that do not effect understand ability | Significant grammatical errors but information can still be understood | Significant grammatical errors that make the content misunderstood |
| Statement of personal relevance and any SLC connections of this financial transaction  (40) | Complete explanation of SLC connections (or lack thereof) with valid discussion of personal interest in the topic studied | References to SLC and personal connection to topic | Discussion of SLC and/or personal connections with clarity | Mention of SLC and/or personal connections |
| References  (20) | All statements of facts are completely referenced with valid sources | Most statements of facts well referenced | Spotty references for statements of facts | Some references |