

Alone, or in groups of 2 or 3 or 4, you are to create a project that **demonstrates your thorough understanding** of a Calculus topic. You may choose to create a related rate problem, an optimization problem, or you may focus on some other area of Calculus.

If you choose to create a problem, then you must provide your classmates with a handout of the problem to solve. If you need your handout photocopied, you must submit it to the teacher at least one day in advance of your presentation. The handout must be neatly handwritten or preferably typed. Your project must include a full solution to the problem. The problem should be unique. You should consider including some props to enhance the presentation of the problem. The project must have a presentation to go along with it. Part of the presentation should include some time for your classmates to attempt to solve the problem.

You may choose to demonstrate your understanding in another way, possibly a music video, a skit or a physical model. Obviously there would be a presentation aspect of the project, and presumably there would be props involved. A written representation of your understanding of the topic must be submitted. This must be neatly handwritten or preferably typed.

Be prepared to answer questions from the teacher and your classmates during the presentation.

It would be a good idea to get your idea approved before proceeding.

Presentations will occur during the last week and a half of classes in June, approximately 2 each day. Arrangements can be made to present sooner if desired. Sign up early so you get the day you prefer. A random draw may be used to determine order.

Evaluation of the project will be based on the following rubric.

| | Insufficient | Good | Excellent |
|--|--------------|------|-----------|
| Prepared to present as scheduled | 0 | 1 | 2 |
| Written component - neat and accurate (x2) | 0 | 1 | 2 |
| Presentation | 0 | 1 | 2 |
| Props/Creativity | 0 | 1 | 2 |
| Demonstration of knowledge of Calculus concepts (x2.5) | 0 | 1 | 2 |

Your mark (out of 15) will also be used to replace your *lowest* quiz score from the year. It may be used to replace a *missed* quiz instead, depending on circumstances.