Extra Credit Opportunity

For a maximum of 10 points extra credit, write an expository paper on one or more important differential equations from your own field of study, then prepare a 15-30 minute presentation of your work. Your report must be submitted not later than the time of your presentation, which must take place on or before Friday September 9th.

Ideally, your paper will contain,

1. A preliminary discussion of the equation and its significance to your field;
2. A derivation of the equation from real-world phenomena;
3. If possible, the derivation of an exact solution, either in general or for specific cases;
4. A qualitative analysis;
5. References and citations.

Figures and illustrations would be nice too.