

Math 8-1 **Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Project #2 September 2014**

Ms. Dowson

Due: Wednesday September 24th

Last Spot-Check: Tuesday September 23rd by NOON

Ring Pop Analysis

1. **Collect Data**: This is done in class
2. **Linear Regression**: You need to come up with an equation the models the trend of the height of your Ring Pop with respect to time. There is an example of what a finished product should look like on the reverse of this sheet. This graph will be displayed in the classroom and should be decorated accordingly.
3. **Writing your paper**. These questions need to be answered in paragraph form but not necessarily in the order that they are presented. Throughout your paper you must be specific and use vocabulary from class:
   1. What did you do to gather your data? Be specific, so that someone who was not there would be able to understand what happened.
   2. State what your variables represent and how you determined them.
   3. What is the equation that best represents your trend? How did you find this? What does this equation represent? What can you use it to predict?
   4. What are the domain and range constraints?
   5. How long will it take you to finish your Ring Pop? How did you make this prediction? Be sure to discuss the strength of your prediction and the strength of the correlation of your variables (*r* and *r*2).