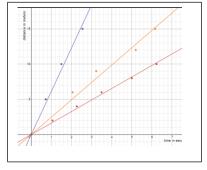
## LAB REPORT FORMAT RUBRIC – Toombs Senior Chemistry

			2	4
	1 Shows an attempt, but may be incorrectly done	2 Almost meets all requirements of this section	3 Meets all requirements of this section	4 Exemplary – should be used as an example for others
-Includes all <b>SECTION</b> headings				
in correct <b>ORDER</b> & proper <b>HEADER</b>				
PURPOSE clearly stated				
MATERIALS comprehensive list				
PROCEDURE				
Concise yet detailed.				
Past tense. Passive voice.				
OBSERVATIONS				
Descriptive details. <i>Before, During, After</i>				
DATA TABLES				
All numerical info reported.				
Uncertainties, Units, Sig Figs.				
GRAPHS				
Follows Graphing outline criteria.				
CALCULATIONS Work clearly shown; demonstrates understanding.				
QUESTIONS				
Full sentences. Thorough answers.				
Demonstrates <i>your own</i> understanding.				
DISCUSSION SECTION:				
Sources of Error				
For each error:				
States the Source of Error.  How exactly the error affects the results,				
(both numerical and observations).				
Suggests a way to overcome the issue.				
<ul> <li>Analysis of Values</li> </ul>				
Mathematical analysis				
(% error or % deviation)				
A statement indicating the meaning of this % value with respect to the results and				
conclusion.				
Relevant Theory				
Explains the terminology and concepts				
related to this experiment.				
Connects the terms together in a cohesive				
essay-type format.				
Demonstrates complete understanding of the context and relevance of this				
experiment.				
CONCLUSION				
A brief statement that answers the				
purpose. Do not repeat the DISCUSSION.				

## LAB REPORT FORMAT RUBRIC - Toombs Senior Chemistry

## **Graphing checklist: (RUBRIC)**

- ✓ Use the full page No data points plotted outside of the grid of the graph paper; Do not make graph too small
- ✓ Use suitable scale (to maximize graph without compromising reliability of plotting points)
  - ✓ Draw the best fit line
  - ✓ make a key box use colours or different shapes for data points



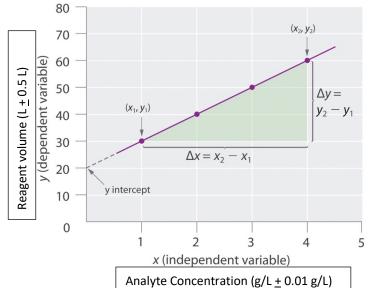
- ✓ Label axes with the words written *normally* and units and uncertainties included
- ✓ Independent variable on x axis; Dependent variable on y axis
- ✓ Clear Title (eg. Temperature Change in an Exothermic Reaction);
  Additional subtitle gives the y vs. x Example: Temperature (°C + 0.1 °C) vs. Time (s + 0.5 s)
- ✓ Calculations are clearly demonstrated
- ✓ Units included for all values, including in calculations
- ✓ First and Last name clearly written

Example: Your Name

TITLE:

## **Amount of Solute in a Chemical Solution**

Subtitle: Reagent volume (L  $\pm$  0.5 L) vs. Analyte Concentration (g/L  $\pm$  0.01 g/L)



Slope =  $\Delta y$   $\Delta x$ Slope = 60.0 - 30.0 L 4.00 - 1.00 g/L Slope = 30.0 L 3.00 g/L Slope = 10.0 g Proper Sig figs and Units included.