**ACP - Unit 2 – Chemical Reactions and Quantities**

**Crystal Growing Log and Baby book project**

Start Date \_\_\_\_\_\_\_\_\_\_ Partners Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ End Date \_\_\_\_\_\_\_\_\_

This log will be used to create a baby book for your crystal as a final project for this lab.

Your baby book must be completed on lucid press in google docs, prezi or it may be a video that you and your partner create. It must include the following:

* A “diary page” that will tell the story of how your crystal grew over time from your start date until your end date. You must include; conditions of growth, rate of growth, variables that affected the growth of your crystal and techniques that you tried to grow your crystal just right.
* A graph of the day noted (you must translate dates into number of days and include the temperature on that day) vs the mass of your crystal.
This graph must be labeled and include a description underneath it to explain how your crystal grew over time.
* A photo progression of the growth of your crystal with observations and notes listed. Your photo progression must be at least 4 photos long.
* A highlights page with at least two highlights along with pictures of you and your crystal from the highlight reel.

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| **Date** | **Temperature of the room** | **Mass of my crystal** | **Observations and notes about what I did with my crystal.** | **Photo?** |
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**Rubric for Crystal Baby Book**

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| **Category** | **Satisfactory****7-8 points** | **Exceptional****9-10 points** | **Points Earned** |
| **Diary Page** | Story of the crystal told from the start of growth until the end.Includes 1detail regarding each of the following:- Conditions of growth- Rate of growth- Variables and techniques the effected the growth. | Story of the crystal told from the start of growth until the end.Includes 2 or more details regarding each of the following:- Conditions of growth- Rate of growth- Variables and techniques the effected the growth. |  |
| **Graph and Analysis** | A graph of the day vs the mass of your crystal. This graph must have a title and labeled.Description is given underneath it to explain how your crystal grew over time. | 2 different types of graphs showing the relationship of the day vs the mass of your crystal exceptionally created. One graph is a standard line graph, the other is a more creative graph. Graphs must have a title and be labeled.Description is given underneath each graph explaining how your crystal grew over time. |  |
| **Photo Progression** | A photo progression of the growth of your crystal with observations and notes listed as photo captions. Your photo progression is 4 photos long. | A photo progression of the growth of your crystal with observations and notes listed as photo captions. Your photo progression is more than 4 photos longs and demonstrates creativity and exceptional effort at capturing a solid progression of growth. |  |
| **Highlights** | A highlights page with two highlights along with pictures of you and your crystal from the highlight reel. | A highlights page with at least three highlights along with pictures of you and your crystal from the highlight reel. |  |
| **Creativity and Effort** | Book is created in google docs using power point or Lucid press. | Book is created in google docs using power point or Lucid press.Book shows an exceptional effort. Student goes above and beyond with formatting and creativity. |  |