**Cell Division Major Project Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Partner \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Advanced Biology: Cell Cycle Project plus Cell cycle report.

Pick one **responsible** partner to work with. I will not hear any excuses about one person doing all the work. This is why YOU get to choose your own partner. If you cannot find a reliable person then you may choose to work alone.

**All projects are due on Monday November 16th at the beginning of class.**

You are to illustrate/draw/create the phases of the cell cycle using materials that you have chosen. The cycle must be in the correct order and each phase must have a caption of what is happening during each phase. **I would prefer for the caption to be typed.**

**Rubric**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Phase** | **Description of Phase**  **3 points/phase**  **Does each phase have the correct caption? Is it descriptive?**  **18 points** | **Illustrated correctly**  **6points/phase**  **Have you drawn the phases correctly? Are all structures included and labeled?**  **36 points** | **Use of appropriate materials**  **3 points/phase**  **Have you used at least two different materials? Pipe cleaners, glitter, beads, etc.**  **18 points** | **Correct sequence of phases**  **2 point/phase**  **Are the phases in the correct order? Is it easy to follow? Are the phases labeled?**  **12 points** | **Aesthetics/Creativity**  **16 points**  **Does it look like quality work? Is it bright and colorful? Or did you just scribble in some drawings?**  **16 points** | **Notes**  **Total = 100 points** |
| **Interphase** |  |  |  |  |  |  |
| **Prophase** |  |  |  |  |  |  |
| **Metaphase** |  |  |  |  |  |  |
| **Anaphase** |  |  |  |  |  |  |
| **Telophase** |  |  |  |  |  |  |
| **Cytokinesis** |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |

**Cell Cycle Project= \_\_\_\_\_\_\_ + Report= \_\_\_\_\_\_\_ Final grade = \_\_\_\_\_\_\_\_\_**

**Report Topic: What are Cyclins? Use 10-3 in your text book. P. 250-252 Answer this question using who, what, where, when, and why format. To be turned in with your project.**