**PROJECT: Creative Cells**

MYP Biology Unit 4 Evidence

**STEPS FOR SUCCESS:**

1. **Get in your group and assign roles:**

*\*\*\*Note: You are all responsible for the entire project and will be graded as a group. These roles are just your ‘specialties’ to aid with collaboration.*

|  |  |  |
| --- | --- | --- |
| **ROLE** | **NAME** | **RESPONSIBILITIES** |
| **Director** |  | * Provides guidance and makes sure team is **on-task.**
* **References RUBRIC** to ensure ADVANCED work!
 |
| **Photographer** |  | * **Uses his/her cellphone** *appropriately* as equipment.
* **Takes** and SAVES all of the **pictures**.
 |
| **Producer** |  | * Focuses on **big-picture** and the scientific accuracy!
* Helps **compile final project.**
 |
| **Designer** |  | * **Designs** “characters” and backgrounds for project.
* Assists with **set movement.**
 |

1. **Create your storyboard:**
* *This does not have to be well-drawn, but it should be detailed!*
* *Check that you are meeting all rubric requirements and that the science is correct!*







1. **Get your storyboard approved by your teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **Make your characters/backgrounds.**
* *HINTS: Also make a title AND credits!*
1. **Take your pictures!**
* *Never move the camera once you start taking pictures.*
* *Move the paper or clay about 1 inch for each movement.*
1. **Upload all pictures to Movie Maker.** *\*\*\*See steps sheet!*
2. **Add music/special effects if time allows.**
3. **Email FINAL project to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****@milwaukee.k12.wi.us**

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**Rubric for PROJECT: Creative Cells**

**Criteria A: Knowing and Understanding**

|  |  |  |
| --- | --- | --- |
| **Achieve - ment Level** | **Level Descriptor*****The student is able to:*** | **Specifics for PROJECT: Creative Cells*****The video includes:*** |
| **0** | **The student does not reach a standard identified by any of the descriptors below.** |
| **Minimal****MI** | * **State** scientific knowledge
* Apply scientific knowledge and understanding to **suggest solutions** to problems set in **familiar situations**
* **Interpret** information to make **judgments**.
 | * **Definitions** of mitosis OR meiosis
* **Steps** of mitosis OR meiosis
* No **real-world connections**
* **Minimal creativity** and effort
* 3 or more **scientific errors**
 |
| **Basic****BA** | * **Outline** scientific knowledge
* Apply scientific knowledge and understanding to **solve problems** set in **familiar situations**
* **Interpret** information to make **scientifically supported judgments**.
 | * **Definitions** of mitosis OR meiosis
* **Steps** of mitosis OR meiosis
* A **real-world connection** for EITHER mitosis OR meiosis
* **Creative ideas** and genuine effort
* 1-2 **scientific errors**
 |
| **Proficient****PR** | * **Describe** scientific knowledge
* Apply scientific knowledge and understanding to **solve problems** set in **familiar situations** and **suggest solutions** to problems set in **unfamiliar situations**
* **Analyze** information to make **scientifically supported judgments**.
 | * **Definitions** of mitosis and meiosis
* **Steps** of mitosis AND meiosis
* A **real-world connection** for EITHER mitosis OR meiosis
* **Creative ideas** and genuine effort
* ALL **scientifically accurate** material
 |
| **Advanced****AD** | * **Explain** scientific knowledge
* Apply scientific knowledge and understanding to **solve problems** set in **familiar and unfamiliar situations**
* **Analyze** and **evaluate** information to make **scientifically supported judgments**.
 | * **Definitions** of mitosis and meiosis
* Detailed **steps** of mitosis AND meiosis
* A **real-world connection** for BOTH mitosis AND meiosis (IE: cancer, genetics, etc.)
* **Unique ideas** and genuine effort
* ALL **scientifically accurate** material
 |

***You ROCK!***