

**Presentation: Phases of Meiosis**

**OBJECTIVE:** to visually and orally demonstrate an understanding of the process of Meiosis (so that you will remember it forever).

**MATERIALS:**

- 4 paper plates
- Scissors
- Felt pens
- Pipe cleaners

**INSTRUCTIONS:**

1. With a partner, create 4 chromosomes out of the pipe cleaners (4 different colours)
2. Figure out how to show the process of meiosis (including crossing over).
3. **Practice** how you will show the process of meiosis (including crossing over). Make sure to balance out who will say what and who will demonstrate each part.
4. You will present this to peers for evaluation on \_\_\_\_\_. In your presentation, you must explain all steps of meiosis I and meiosis II including crossing over.

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Assessed By: \_\_\_\_\_

**PERFORMANCE-BASED ASSESSMENT:**

	<b>Beginning</b>	<b>Developing</b>	<b>Accomplished</b>	<b>Exemplary</b>
<b>CONTENT (STRUCTURE)</b>	Many of the components are missing or incorrectly used	The majority of structural components are correctly used, while some components are missing or incorrect	Almost all structural components are correctly used, with some minor errors.	All structural components are correctly used
<i>Purpose, parent cell, diploid, nuclear membrane, homologous chromosomes, sister chromatids, tetrads, spindle fibers, centromeres, centrioles, centre/equator of the cell, poles/ends of the cell, haploid, daughter cells</i>				
<b>CONTENT (PROCESS)</b>	Many processes are incorrect or not included.	The majority of processes are correct and accurate, with some processes missing or incorrect	Almost all processes are correct and accurate, with some minor errors.	Entire process is correct and accurate
<i>Interphase, prophase I, metaphase I, anaphase I, telophase I, cytokinesis, prophase II, metaphase II, anaphase II, telophase II, cytokinesis</i>				
<b>CLARITY</b>	Although an attempt is made, it is difficult to understand most of the presentation.	Most of the presentation is well organized with clear visual and oral communication, but some is not.	Entire presentation is well organized with clear visual and oral communication.	Entire presentation is effectively organized with an unmistakable visual and clear oral communication. Presentation could be used as a teaching tool for all ages.

**Comments:****Presentation: Phases of Meiosis**

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