**Instructional Notes: Meiosis Foldable**

**Pre-activity Discussion**

Prior to the construction of the meiosis foldable, students will have completed a whiteboard session comparing a visual of mitosis and a visual of meiosis. Students will utilize this foldable to create their own visual and descriptive study guide for the phases of meiosis. Students will also utilize this foldable to identify the differences between meiosis I and meiosis II.

**Activity Performance Notes**

Students should begin with 3 pieces of unlined computer paper. Have the students fold all the pieces of paper in half lengthwise (“hot dog” style) and then cut the papers in half along this fold. Students should then take the 6 halved pieces of paper and place one paper on top of the other, with approximately ½ inch separating each piece. Students should then fold the bottom of the foldable up towards the middle to create a continuous ½ inch space between each layer.

Cytokinesis II

Telophase II

Anaphase II

Metaphase II

Prophase II

Telophase I/Cytokinesis I

Anaphse I

Metaphse I

Prophase I

Interphase

**Meiosis**

Once the template has been created, students should then provided the following information under each category.

* Written description of all activities that take place during this portion of meiosis.
* A detailed drawing of the cells during each part of meiosis. All visible cell structures should be labeled.
* Students should identify whether the cell is diploid or haploid for each part of meiosis.

**Post-activity Discussion**

Upon completion of the foldable, have students compare their own foldables with the foldables of other students in the class. Give students the opportunity to discuss with their peers possible details they may have forgotten or done incorrectly and make the appropriate changes. Students should utilize this foldable as a study guide for assessment.