

**Teachers:** Mrs. Lee & Mrs. Helms

**Week of:** 8-8-22

**Subject:** Science 8

**Standards:**

- MS Science Standard:
- L.8.2A Students will demonstrate an understanding of how sexual reproduction results in offspring with genetic variation while asexual reproduction results in offspring with identical genetic information.
- L.8.2A.2 Create a diagram of mitosis and explain its role in asexual reproduction, which results in offspring with identical genetic information.
- L.8.2A.3 Construct explanations of how genetic information is transferred during meiosis.
- L.8.2A.4 Engage in discussion using models and evidence to explain that sexual reproduction produces offspring that have a new combination of genetic information different from either parent.
- L.8.2A.5 Compare and contrast advantages and disadvantages of asexual and sexual reproduction.
- **Essential Questions: How is genetic information passed from parents to offspring through the process of mitosis and meiosis?**

Day/Date	Bell Work	Objectives ("The student will...")	Procedures TI = Teacher Input, M = Modeling, GP = Guided Practice, IP = Independent Practice TTW = "The teacher will..." TSW = "The students will..."	Assessment Observation, Activities Project, Quiz, Unit Test, DCA, etc.	Closure
Monday 8-8 Regular	Science Journal	...explain the phases of meiosis	<b>ANTICIPATORY SET:</b>  <b>TSW:</b> The Cell Cycle & Mitosis Flocabulary <b>TTW:</b> Instruct and monitor <b>Homework:</b>	Assessment__ Observation__ Activities_X_ Project__ Quiz__ Explore__	Thumbs up/Thumbs Down
Tuesday 8-9 Regular	Science Journal	...explain the phases of meiosis	<b>ANTICIPATORY SET:</b>  <b>TSW:</b> MPT 1.3 <b>TTW:</b> Guide and assist <b>Homework:</b>	Assessment_X_ Observation__ Activities__ Project__ Quiz__ Explore__	Questions
Wednesday 8-10 Regular	Science Journal	...explain the phases of meiosis	<b>ANTICIPATORY SET:</b>  <b>TSW:</b> Mitosis/Meiosis Guided Notes <b>TTW:</b> Guide and assist <b>Homework:</b>	Assessment__ Observation_X_ Activities__ Project__ Quiz__ Explore__	Questions
Thursday 8-11	Science Journal	...compare & contrast mitosis & meiosis	<b>ANTICIPATORY SET:</b> <a href="https://www.youtube.com/watch?v=VzDMG7ke69g">https://www.youtube.com/watch?v=VzDMG7ke69g</a> Meiosis Amoeba Sisters  <b>TSW:</b> Explore 3 Meiosis: Reducing, Dividing, and Delivering Genetic Information. Students use diagrams and evidence of the process meiosis and sexual reproduction to make observations, answer discussion questions, and pair share responses with peers. <b>TTW:</b> instruct, guide, and monitor. <b>Homework:</b>	Assessment__ Observation_X_ Activities__ Project__ Quiz__ Explore_X_	Thumbs up/Thumbs Down

Regular					
Friday 8-12 Regular	Science Journal	...compare & contrast mitosis & meiosis	<p><b>ANTICIPATORY SET:</b></p> <p><b>TSW:</b> Explore 3 Meiosis: Reducing, Dividing, and Delivering Genetic Information. Students use diagrams and evidence of the process meiosis and sexual reproduction to make observations, answer discussion questions, and pair share responses with peers.</p> <p><b>TTW:</b> instruct, model, guide, and monitor.</p> <p><b>Homework:</b></p>	<p>Assessment__</p> <p>Observation_X_</p> <p>Activities__</p> <p>Project__</p> <p>Quiz__</p> <p>Explore_X_</p>	Discussion

**Differentiation:** Flexible grouping strategies, additional teacher-guided instruction when necessary.