Remote Lesson Plan

STUDENT OBJECTIVES:

✅ **8.MS-LS3-2-Sexual & Asexual Reproduction.**
- Student will be able to construct an argument based on evidence for how asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation.
- Student will be able to compare and contrast advantages and disadvantages of asexual and sexual reproduction. Compare and contrast sexual/asexual reproduction in terms of variation of traits.

✅ **8.MS-LS3-2.** Construct an argument based on evidence for how asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation. Compare and contrast advantages and disadvantages of asexual and sexual reproduction.

MA LITERACY FRAMEWORKS:
- Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 8 topics, texts, and issues, building on others’ ideas and clearly expressing their own.
- Cite several pieces of textual evidence to support analysis of what a text states explicitly as well as inferences drawn from the text, quoting or paraphrasing as appropriate.
- Determine a text’s central idea(s) and analyze its/their development over the course of the text; provide an objective summary of a text.

ELL LANGUAGE OBJECTIVES:
- Students will be able to discuss the advantages and disadvantages of sexual and asexual reproduction after listening to the slide deck presentation.

<table>
<thead>
<tr>
<th>LESSON NAME</th>
<th>SEXUAL VS ASEXUAL REPRODUCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td><strong>8.MS-LS3-2.</strong> Construct an argument based on evidence for how asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation. Compare and contrast advantages and disadvantages of asexual and sexual reproduction.</td>
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<tr>
<td>State Boundary</td>
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<tr>
<td>EQ</td>
<td>How does sexual reproduction lead to larger genetic variation?</td>
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<tr>
<td>Relevant Slides or Pear Deck</td>
<td><a href="#">Sexual/Asexual Read &amp; Apply Slide Deck</a></td>
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<tr>
<td>SWBAT</td>
<td>Compare and contrast sexual/asexual reproduction in terms of variation of traits</td>
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<tr>
<td>DoNow</td>
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</tbody>
</table>
| Vocab | asexual  
sexual |
| INTRO-Engage | TIME Video: 2 min  
[Cloning of Monkeys](#);  
Teacher discusses video, and sets objective for lesson |
| Explain | Teacher explains Sexual reproduction  
Students read section individually  
Teacher explains Asexual reproduction  
Students read section individually |
| Break | |
| GRAPPLE | Students build background knowledge using EdPuzzle and Teacher can use results as a formative assessment as well.  
[EdPuzzle](#):  
[Sexual Reproduction](#)  
YOU TUBE LINK: [https://youtu.be/tFZevFbBLXc](#)  
[Asexual Reproduction](#)  
YOUTUBE LINK: [https://youtu.be/ik2Rjms5RBk](#)  
** |
| APPLY | Comprehension activities In Slide Deck:  
1. Definitions and Cause/Effect Examples  
2. Drag and Drop examples of organisms pictures (relating from video and discussion)  
3. Pulling Together: What’s the difference between the offspring of the two types of reproduction?