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| **Course/Subject/Grade(s): Science 9** |
| **Unit Big Idea: Cells are derived from cells** | **Unit Guiding Question(s): What are cells and where do they come from?** |
|  | **1** | **2** | **3** | **4** |
| **Content:**Asexual reproduction | I know what cells are | I know mitosis. I know the 6 forms of asexual reproduction | I know the stages of mitosis and meiosis | I know the genetic results of human reproduction | I know what a gene is and why it is important |
| Sexual reproduction | I know identical and non-identical | I know meiosisI know how humans reproduce | I know the difference between asexual and sexual reproduction |  |  |
| **Curricular Competencies: Questioning** | **Sustained intellectual curiosity** | I can wonder about a scientific topic | I can ask questions about a scientific topic | I can ask questions to further my inquiry about a scientific topic | I can sustain my inquiry about a scientific topic over time | I can sustain an inquiry about a scientific topic of my own interest over time |
| **Make observations** | I can use my senses to observe and describe | I can make observations to identify questions about a topic | I can observe to find patterns to help explain or support a hypothesis | I can observe and make connections to phenomena in the natural world connected to myinquiry | I can observe ethically in the natural world |
| **Hypothesize** | I can come up with possible explanations to my wonderings | I can make an informed hypothesis about a scientific question | I can come up with multiple informed hypothesis about a scientific topic | I can formulate new hypothesis based on new information in a scientific inquiry | I can predict multiple outcomes to my own inquiry |