

**Learning Map** .

Goals

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| **Course: Science 9** | **Teacher: YT SAMPLE** |
| **Unit Big Idea:** Cells are derived from cells |
| **Unit Guiding/Essential Question(s):** What are cells and where do they come from? |
|  | **1****Not Yet Meeting** | **2****Approaching** | **3****Meeting** | **4****Exceeding** |
| **Content Target:** Asexual reproductionSexual reproduction | I know what cells are.  I know identical and non-identical. | I know mitosis. I know the six forms of asexual reproduction. I know meiosis. I know how humans reproduce. | I know the stages of mitosis and meiosis. I know the difference between asexual and sexual reproduction. | I know what genes are and why they are important. I know the genetic results of human reproduction |
| **Curricular Competencies Targets:** | **Sustained intellectual curiosity** | I can wonder about a scientific topic. | I can ask questions 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 ethically and make connections to phenomena in the natural world connected to my inquiry. |
| **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 hypotheses based upon new information in a scientific inquiry. | I can predict multiple outcomes to my own inquiry. |