Learning Targets / Success Criteria: Unit: Microbiome   Data Team: 7th Science

Priority Standard:	**M**S-LS1-1 From Molecules to Organisms: Structures and Processes Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.
Overarching Skills:	Develop Testable Questions Formulate a hypothesis Identify experimental parts- independent and dependent variables Understand that living things are made of cells Understand that our gut microbiome consists of non-human cells (bacteria) that aid in digestion Understand the relative size of cells and why they are so small
WALT:	We are learning to develop a testable questions to guide an investigation
Success Criteria:	I can observe phenomena and wonder about it I can identify cause and effect relationships I can identify the characteristics of a testable question I can develop a testable question
WALT:	We are learning to formulate a hypothesis
Success Criteria:	I can make an inference about the cause and effect relationship I can predict an outcome for the investigation. I can connect my background knowledge to my prediction
WALT:	We are learning to formulate independent and dependent variables
Success Criteria:	I can identify what I am testing (cause) and what I am measuring (effect) in an experiment I can explain the purpose of only allowing one variable to change and keeping others constant.
WALT:	We are learning to conduct investigations based on the independent and dependent variable relationship
Success Criteria:	I can identify if the procedures are appropriate for the testable question (IV/DV relationship) I can follow the procedures that test the IV/DV I can take safety precautions while following the procedure

WALT:	We are learning that our gut microbiome includes bacteria that aid in digestion
Success Criteria	I can use data to determine if bacteria is good or bad for the human gut microbiome I can explain what can happen when the gut microbiome gets out of balance (due to food poisoning, antibiotics, etc.)
WALT:	We are learning that cells are small and why they are so small
Success Criteria	I can determine if an object is living or dead (made of cells)