

Subject	Monday	Tuesday	Wednesday	Thursday	Friday
ACCRS:		1.) Use models to compare and contrast how the structural characteristics of carbohydrates, nucleic acids, proteins, and lipids define their function in organisms.2.) Obtain, evaluate, and communicate information to describe the function and diversity of organelles and structures in various types of cells (e.g., muscle cells having a large amount of mitochondria, plasmids in bacteria, chloroplasts in plant cells).	1.) Use models to compare and contrast how the structural characteristics of carbohydrates, nucleic acids, proteins, and lipids define their function in organisms.2.) Obtain, evaluate, and communicate information to describe the function and diversity of organelles and structures in various types of cells (e.g., muscle cells having a large amount of mitochondria, plasmids in bacteria, chloroplasts in plant cells).	1.) Use models to compare and contrast how the structural characteristics of carbohydrates, nucleic acids, proteins, and lipids define their function in organisms.2.) Obtain, evaluate, and communicate information to describe the function and diversity of organelles and structures in various types of cells (e.g., muscle cells having a large amount of mitochondria, plasmids in bacteria, chloroplasts in plant cells).	1.) Use models to compare and contrast how the structural characteristics of carbohydrates, nucleic acids, proteins, and lipids define their function in organisms.2.) Obtain, evaluate, and communicate information to describe the function and diversity of organelles and structures in various types of cells (e.g., muscle cells having a large amount of mitochondria, plasmids in bacteria, chloroplasts in plant cells).
Before	Collect all paperwork/ lab safety contracts/ lab safety video	Divide into groups	Lab safety test/ Data Set quiz: 1	Data Set Quiz 2	Data Set Quiz 3
During	Students will identify lab equipment and list their functions	Perform emergent properties and reductionism activity	Class discussions on early organic molecule formations	Basic Cell Structure demonstration and class discussion	Biochemistry: Chemistry Basics
After	Class discussion on lab equipment	Handout: cellcity video project: Due Sept. 6/ Handout outline	Synthesis Question 1	Synthesis Question 2	Synthesis Question 3
Desired Outcome	To review lab safety protocol and lab equipment	To give examples of and explore the meaning of emergent properties and reductionism	To gain an understanding of how molecule may have formed and eventually into living organisms	To gain understanding of cell basics	To gain an understanding of basic chemistry principles
Formative/ Summative	Class discussion	Class discussion	DSQ, SQ, class discussion	DSQ, SQ, class discussion	DSQ, SQ, class discussion