Time Frame	Standards	Evidence of Understanding	Assessment		Instructional Strategies
			Formative	Summative	
2 weeks	Explain that living cells use various different compounds to create and make energy (lipids, carbohydrates, proteins, and nucleic acids)	I know the difference between carbs, proteins, lipids, and nucleic acids. I know the basic buildings blocks of sugars. I know the types of organic compounds that my body uses to create energy.	Questioning during class, homework journals, laboratoy assignments, entrance and exit slips, current events	Chapter tests and quizzes	Identification of biochemicals lab; PowerPoint Notes
2 weeks	Structure, function and interrelatedness of cell organelles; Eukaryotic cells and prokaryotic cells; Characteristics of life regulated by cellular processes;	I can describe the structure of cells. I can determine if an organism is eukaryotic or prokaryotic. I can describe how unicellular organisms gave rise to multicellular organisms.			Cell Model Project, Cell City Project; PowerPoint Notes
1 week		I can describe how substances travel across cell membranes. I can describe how osmosis and diffusion work.			Osmosis Egg Lab; PowerPoint Notes
3 weeks	Photosynthesis, chemosynthesis, cellular respiration.	I can describe how plants use photosynthesis to obtain energy. I can describe how all organisms depend upon photosynthesis for energy.			Rate of photosynthesis lab; PowerPoint Notes
		I can describe how organisms use cellular respiration to obtain energy. I can describe the dependency of cellular respiration upon photosynthesis.			Rate of CO_2 production lab; PowerPoint Notes
2 weeks	Cell division and differentiation	I can describe the importance of mitosis in relation to growth of an organism. I can describe how mitosis passes on genetically identical copies of themselves to the next generation.			Mitosis Flipchart Project; PowerPoint Notes