

BIOLOGY BASICS UNIT 1- LESSON PLANS

Topic	Biology Basics
Lesson Title	Macromolecules
Lesson Number	1 -7a
NGSS Standard(s)	<ul style="list-style-type: none"> <i>HS-LS1-6.</i> Construct and revise an explanation based on evidence for how carbon, hydrogen and oxygen from sugar molecules may combine with other elements to form amino acids and/or other large carbon-based molecules.
Learning objectives:	<ul style="list-style-type: none"> Describe the structure of carbohydrates and lipids. Describe how carbohydrates and lipid molecules are formed. Compare chemical structures of carbohydrates and lipids and relate this to their role in living organisms.
“I can” statement:	<ul style="list-style-type: none"> I can describe the structure of carbohydrates and lipids, how these molecules are formed, compare their structures of carbohydrates and lipids and relate this to their role in living organisms.
Prior Knowledge:	
<ul style="list-style-type: none"> Six atoms found in biological molecules. Types of bonding 	
Vocabulary:	
Macromolecule, monomer, polymer, condensation reaction, carbohydrate, monosaccharide, disaccharide, polysaccharide, lipid, fatty acid	
Summary of Activities:	
<ol style="list-style-type: none"> Distribute and complete bell ringer activity. Discuss guided notes and slideshow, with students. Vocabulary worksheet Exit quiz 	
Additional Resources:	
<ul style="list-style-type: none"> See online activities 	
Homework:	
Homework assignment task	
Assessment:	
<ul style="list-style-type: none"> Bell work Assignment Exit quiz End of unit review 	