	Columbus County Schools Science Curriculum Guide	
SUBJECT: Science	GRADE LEVEL: 8th	GRADING PERIOD:
Module(s): C The Human body	Time Frame: 15 days	Unit: 6 Diseases/ Molecular Biology/
	Dates: March 2 <sup>nd</sup> – March 20 <sup>th</sup>	Nutrition
Essential Standard: 8. L.1: Understar	nd the hazards caused by agents of diseases t	hat affect living organisms.

Essential Standard : **8.L.5**: Understand the composition of various substances as it relates to their ability to serve as a source of energy and building materials for growth and repair of organisms.

Lessons:	Technology and Literacy Standards and Tasks	Academic Vocabulary:	Assessment(s):	Additional Resources:
Lesson Name: Infectious Diseases Clarifying Objective: <b>8. L.1.1:</b> Summarize the basic characteristics of viruses, bacteria, fungi and parasites relating to the	<ul> <li><u>CCSS.ELA-Literacy.RST.6-8.1</u> Cite specific textual evidence to support analysis of science and technical texts.</li> <li><u>CCSS.ELA-Literacy.RST.6-8.2</u> Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.</li> <li><u>CCSS.ELA-Literacy.RST.6-8.5</u></li> </ul>	<ul> <li>★ virus</li> <li>★ bacteria</li> <li>★ fungi</li> <li>★ disease</li> <li>★ epidemic</li> <li>★ pandemic</li> <li>★ host cell</li> <li>★ vaccine</li> <li>★ AIDS</li> <li>★ influenza</li> <li>★ common cold</li> <li>★ polio</li> <li>★ chicken pox</li> </ul>	Formative: • Quizzes • Cooperative Activities • Labs, Science Notebook • Foldables • Word Maps (graphic organizers) • Bell Ringer/Exit Tickets	Use Science Fusion (Module C- Infectious Disease Unit 2 Lesson 2) Pg. 146- 157 teacher pages Use Science Fusion (Module A- Cells and Heredity) Unit 1 Lesson 2- Chemistry of Life Pg. 30- 42 teacher pages Use Science Fusion (Module C- The Human Body) Unit 2
spread, treatment and prevention of disease. Time Frame: <b>7 days</b>	Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to an understanding of the topic.	<ul> <li>★ small pox</li> <li>★ yellow fever</li> <li>★ meningitis</li> <li>★ West Nile</li> <li>★ Ebola</li> <li>★ rabies</li> <li>★ Lyme disease</li> </ul>	Science Formative Assessment 75 practical strategies (Keeley) • Juicy questions p.121 • K.W.L. variations	Lesson 3- Health and Nutrition     Pg. 158- 171 teacher pages         NCDPI Curriculum Units Grade 8:

Essential Question: What causes disease?CCSS.ELA-Literacy.RST.6-8.6 Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text.Activity: Write to Learn Biology: 16.4 Disease- causing BacteriaBiology: 16.5 Viral Structures and the Diseases Viruses Can Cause	<ul> <li>★ infectious in disease</li> <li>★ noninfectious disease</li> <li>★ pathogen</li> <li>★ biomedical research</li> <li>★ tuberculosis</li> </ul>	<ul> <li>p.128</li> <li>Odd one out p.142</li> <li>Uncovering student ideas in science. Vol. 1 (Keeley)</li> <li>Is it living? P.123</li> <li>Uncovering student ideas in science. Vol. 4 (Keeley)</li> <li>Catching a cold p.125</li> <li>Summative:</li> <li>Projects (with rubrics: Powerpoint/Flipcha rt, Animoto, Prezi, brochures, WebQuests, internet based research assignments</li> <li>ClassScape: ClassScape: Classroom based and County Benchmark</li> <li>Chapter and Unit tests(Science fusion Test bank)</li> </ul>	<ul> <li>"There's a Small World Out There"</li> <li>McDougal Littell Science Grade 8: Unit E: 5.1, 5.2, 5.3, pp. NC 28-30</li> <li>North Carolina End of Grade Coach (2013): Chapter 4</li> <li>Passing the North Carolina EOG Science (American Book Company): Ch. 25, 26, 27</li> <li>McDougal Littell Science Grade 8: NC 16-20</li> </ul>
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Lesson Name:	CCSS.ELA-Literacy.RST.6-8.1	★ Carbohydrates	Formative:	Use Science Fusion (Module
Chemistry of Life	Cite specific textual evidence	🖈 Nucleic acid	Quizzes	A- Cells and Heredity) Unit 1
Clarifying Objective: <b>8.L.5.1</b> Summarize how	to support analysis of science and technical texts.	★ Lipid ★ Phospholipid	Cooperative     Activities	Lesson 2- Chemistry of Life
food provides the energy and the molecules required for building materials, growth and survival of all organisms (to include plants).	• <u>CCSS.ELA-Literacy.RST.6-8.2</u> Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions. <u>CCSS.ELA-Literacy.RST.6-8.5</u>	<ul> <li>★ Protein</li> <li>★ macronutrients</li> </ul>	<ul> <li>Labs, Science Notebook</li> <li>Foldables</li> <li>Word Maps (graphic organizers)</li> <li>Bell Ringer/Exit Tickets</li> </ul>	<ul> <li>Pg. 30- 42 teacher pages</li> <li>NCDPI Curriculum Units Grade 8: "There's a Small World Out There"</li> <li>McDougal Littell Science Grade 8:</li> </ul>
Time Frame: <b>3 days</b>	Analyze the structure an author uses to organize a text, including how the major		Science Formative Assessment 75 practical strategies (Keeley)	Unit E: 5.1, 5.2, 5.3, pp. NC 28-30 • North Carolina End
Essential Question:	sections contribute to the whole and to an		Juicy questions	of Grade Coach (2013): Chapter 4
What are the building blocks of organisms?	understanding of the topic. <u>CCSS.ELA-Literacy.RST.6-8.6</u> Analyze the author's purpose in providing an explanation, describing a procedure, or		p.121 • K.W.L. variations p.128 • Odd one out p.142 Uncovering student ideas	<ul> <li>Passing the North Carolina EOG Science (American Book Company): Ch. 25, 26, 27</li> </ul>
	discussing an experiment in a text. Activity: Write to Learn		in science. Vol. 1 (Keeley) Is it living? P.123 Uncovering student ideas in science. Vol. 4 (Keeley)	<ul> <li>McDougal Littell Science Grade 8: NC 16-20</li> </ul>
	Science 6 7.2 How do organisms get energy? Science 6 2.3 How do		Catching a cold p.125 Summative:	

Essential Question: How are nutrition, fitness, and health related?	sections contribute to the whole and to an understanding of the topic. <u>CCSS.ELA-Literacy.RST.6-8.6</u> Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a	<ul> <li>Juicy questions p.121</li> <li>K.W.L. variations p.128</li> <li>Odd one out p.142</li> <li>Uncovering student ideas in science. Vol. 1 (Keeley)</li> <li>Is it liking 2 D 492</li> <li>North Carolina End of Grade Coach (2013): Chapter 4</li> <li>Passing the North Carolina EOG Science (American Book Company): Ch. 25, 26, 27</li> </ul>
	text. Activity: Write to Learn	<ul> <li>Is it living? P.123</li> <li>McDougal Littell</li> <li>Science Grade 8: NC 16-20     </li> <li>Catching a cold p.125     </li> </ul>
	Human Biology and Health: 2.1 Food and Energy	Summative: Projects (with rubrics: Powerpoint/Flipcha rt, Animoto, Prezi, brochures, WebQuests, internet based research assignments Chapter and Unit tests(Science fusion