

DNA		Grade 8: Cells	
<b>Curriculum Connections</b>		<b>Topic</b>	Life Systems
		<b>Fundamental Concepts</b>	Systems and Interactions
<p><b>Description</b>            In this lesson, students will identify DNA in the nucleus. Cells are the basic unit of life. All cells come from pre-existing cells with the nucleus holding all of the information needed to make every cell in the body. Students will also explore genetic phenology in fingerprint patterns.</p>			
<p><b>Big Ideas</b>            Cells are the basis of life.</p>		<p><b>Overall Expectations</b>  <b>3.</b> demonstrate an understanding of the basic structure and function of plant and animal cells and cell processes.</p>	
<p><b>Specific Expectations</b>  <b>3.1</b> demonstrate an understanding of the postulates of the cell theory  <b>3.2</b> identify structures and organelles in cells, including the nucleus, cell membrane, cell wall, chloroplasts, vacuole, mitochondria, and cytoplasm, and explain the basic functions of each</p>			