

**Overview of Materials**

	Biochemistry	Enzymes, digestion, nutrition	Cells
<b>Animations</b> *Short video clip (10 sec. or less)	<ul style="list-style-type: none"> <li>H-bonding (42 sec)</li> </ul>	<ul style="list-style-type: none"> <li>*Fat digestion and bile</li> </ul>	<ul style="list-style-type: none"> <li>How big? (30 sec)</li> <li>Inner life of a cell-narrated (8 min)</li> <li>Inner life of a cell- non narrated (WS, TG, 3 min)</li> </ul>
<b>Games</b>	<ul style="list-style-type: none"> <li>Amino acid side chain game</li> </ul>		
<b>Simulations/Labs</b>	<ul style="list-style-type: none"> <li>Virtual pH lab (WS, TG)</li> <li>Molecular models (WS, TG, Concept map, KEY)</li> </ul>	<ul style="list-style-type: none"> <li>Enzyme lab (WS, TG)</li> </ul>	<ul style="list-style-type: none"> <li>Virtual cell (WS, TG, quiz, KEY)</li> <li>Virtual Meiosis</li> </ul>
<b>Independent Exploration</b>	<ul style="list-style-type: none"> <li>3D molecular models</li> </ul>		<ul style="list-style-type: none"> <li>Virtual microscopy</li> <li>Onion root tip</li> </ul>

Genetics: heredity	Genetics: DNA to Protein
	<ul style="list-style-type: none"> <li>Thinkwell's DNA transcription and translation (WS, TG, 15 min)</li> </ul>
<ul style="list-style-type: none"> <li>Recovering the Romanovs (WS, TG, quiz, KEY)</li> </ul>	<ul style="list-style-type: none"> <li>Genetic Code (WS, TG, quiz, KEY)</li> </ul>