

Overview of Materials

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

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