

Biology I Curriculum Map

	August	September	October	November	December	January	February	March	April	May
Essential Questions	How do I investigate science?	Just what is life anyway?								
Content in terms of essential concepts and topics	Nature of Science	Characteristics of life/ Chemistry of life	Structure and Function/ Energy of life	Reproduction/ Mendelian Geneics	Human Genetics/ Molecular Genetics	Gene Technology/ Natural Selection	Mechanisms of Evolution/ Origins of Biodiversity	History and Diversity of Life/ Energy and Nutrients	Relationships/ The Planet (Biomes)	Human Impact
Standards/Skills i.e., processes and skills emphasized Indiana Academic Standards plus MCSC skills		1.4, 1.6, 1.7, 1.9,	1.5, 1.19/ 1.1, 1.2, 1.3, 1.11, 1.12, 1.13, 1.14, 1.15, 1.16, 1.20	1.7, 1.8, 1.25, 1.28, 1.29/ 1.21, 1.22	1.23, 1.24/ 1.26	/ 1.31, 1.32, 1.36, 2.1, 2.3	1.27, 1.30, 1.35, 2.2, 2.4/ 1.33, 1.34, 1.46, 1.47	/ 1.37, 1.40, 1.42, 1.44	1.17, 1.18, 1.38, 1.43, 1.45/ 1.39	1.41
Product/Assessments It is assumed that teachers will assess students with traditional tests.		Is it Alive?/ Macromolecules in your meal	Microscope Cell Lab/ Gas Pressure Lab	Mitosis Microscope Lab/ Tobacco Lab (albinism)	Human Genetics Lab/ Cheek cell DNA	Electrophoresis/ Interpreting Events from the Fossil Record (#19)	Observing the Effect of Environment on Seedling Growth (#22)/ Observing the Effects of Temperature on the Growth of Yeast (#23)	Classification Lab/ Observing the Effects of Sunlight on Plant Growth (#26) and Investigating the Effects of Water Pollution on Plants (#25)	Owl Pellet Dissection/ Observing Plant Adaptations (#30)	Observing the Effects of Acid Rain on Seed Germination and Plant Growth (#32)