

**Grade:    Units of Study**  
**20\_\_**

Science – Grade:	Unit 1: Inquiry Experimental Design	Unit 2: Cells	Unit 3: Photosynthesis Respiration	Unit 4: DNA/RNA Mitosis/Meiosis	Unit 5: Genetics & Inheritance	Unit 6: Natural Selection Evolution	Unit 7: Ecology
Key Skills	<ul style="list-style-type: none"> <li>• Testable question</li> <li>• Observation</li> <li>• Data Interpretation</li> <li>• Theories vs Hypotheses</li> <li>• Conclusions</li> <li>• Presentation and Interpretation of Data</li> </ul>	<ul style="list-style-type: none"> <li>• Cell specialization</li> <li>• Cell structure</li> <li>• Organelles</li> <li>• Osmosis/diffusion</li> </ul>	<ul style="list-style-type: none"> <li>• Relationship b/w Photo &amp; Resp</li> <li>• Energy Transformation</li> <li>• Organic Compounds</li> </ul>	<ul style="list-style-type: none"> <li>• RNA DNA Structure</li> <li>• Transcription/translation</li> <li>• Cell cycle</li> <li>• Chromosome behavior</li> </ul>	<ul style="list-style-type: none"> <li>• Punnett square</li> <li>• Inheritance of traits</li> <li>• Sexual/asexual reprod</li> <li>• Role of Mutations</li> <li>• Genotypes/Phenotypes</li> <li>• Sex-linked traits</li> </ul>	<ul style="list-style-type: none"> <li>• Survival of the fittest</li> <li>• Role of variation in natural selection</li> <li>• Role of Environmental Factors in Natural Selection</li> </ul>	
Academic Vocabulary	<ul style="list-style-type: none"> <li>• Qualitative vs Quantitative</li> <li>• Theory vs Hypothesis</li> </ul>	<ul style="list-style-type: none"> <li>• Unit terms</li> </ul>	ATP	Unit terms	Unit terms	Unit terms	
Reading Skills							
Writing Skills	Lab Report	Lab Report	Lab Report				
Power Standards/GL Es Assessed	PS 1						
Labs & Activities		Microscope Lab Virtual Lab		Cell cycle book Inion tip lab	Face lab		

Approximate Instruction Dates	Aug – May	Sept – Oct	Nov	Dec			

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