

Science Unit Plan/Pacing Guide

Units	Math Essential Standards	Science Standards	Notes
Unit 1(Aug) Characteristics of Science	7NR1.1 7NR1.2	S7L1 S7L2	Science vocabulary is the opposite of each other, just like opposite quantities. Use a number line to show the opposite for both vocabulary and integers. M&M lab Measure distance, show fractions
Unit 2(Sept) Cells	7NR1.4 7NR1.8 7NR1.9	?(drill & kill) S7L2a S7L2a	Show how the membrane of a cell can be used as 0 on a number line; using osmosis or diffusion. 1.8, 1.9 -Meiosis and mitosis. Multiplication and division of integers.
Unit 3(Oct) Cells	7GSR5.3 7GSR5.5	S7L2c S7L2a,b	Use angles of the body. Circumference of a circle/ skull comparison
Unit 4(Nov/Dec) Genetics	7PR6.3 7PR6.6	S7L3a,b,c S7L3a,b,c	Punnett squares: Genetics; probability GMO LAB: Selective breeding

<p>Unit 5(Jan) Ecology</p>	<p>7PAR2.1 7PAR3.1 7PAR3.2</p>	<p>S7L4a,b S7L4c S7L4c</p>	<p>Adding & subtracting factors in an environment along with expressing rational coefficients such as survival rate.</p> <p>Carrying capacity or survivability chart</p>
<p>Unit 6(Feb) Ecology</p>	<p>7PAR4.1 7PAR4.2 7PAR4.4</p>	<p>S7L4c,d S7L4a,b S7L4c</p>	<p>Estuary: salt water to fresh water ratios (salinity)</p> <p>Average rainfall and temperature bar graph/ line graph</p> <p>Chart of deforestation</p> <p>Proportional relationships/graphing/analyze graphs and data: predator to prey, disease, climate, resource availability, human activity</p>
<p>Unit 7(March) Ecology</p>	<p>7PAR4.5 7PAR4.9</p>	<p>S7L4 a, c S7L4 a,c</p>	
<p>Unit 8 After Milestones</p>	<p>Varied</p>		