

**SKILLS MAPPING****SUBJECT Science****GRADE 6**

<b>Timetable</b>	<b>Topic</b>	<b>Content</b>	<b>Skills</b>	<b>Performance Objective</b>	<b>Assessment</b>
<b>5 weeks</b>	<b>PS (Physical Science) Experimenting</b>	<b>Controlled Studies</b>	<b>Identify heat conductors and insulators</b>	<b>PS 4.3.3f 4.3.3g</b>	<b>Design an independent controlled study</b>
<b>8 weeks</b>	<b>LE (Living Environment) Small Things</b>	<b>Microscope</b>	<b>Observe</b>	<b>LE 4.1.1a</b>	<b>Written lab reports</b>
		<b>Microorganisms</b>	<b>Learn and identify microorganisms and ecosystems</b>	<b>4.1.1b 4.1.1c 4.1.1d 4.1.1e</b>	<b>Unit test</b>
		<b>Ecosystems</b>		<b>4.1.1f</b>	<b>Lab performance</b>
		<b>Cells-structure and function</b>	<b>Manipulate microscopes</b>	<b>4.4.1a 4.4.1b</b>	<b>Written lab report</b>
			<b>Gather data on cells</b>		

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<b>8 weeks</b>	<b>PS Optics</b>	<b>Heat</b>  <b>Light</b>  <b>Visible light spectrum</b>  <b>Electromagnetic spectrum</b>  <b>Reflection/ Refraction</b>	<b>Create models (mapping)</b>  <b>Gather/ Organize data</b>  <b>Identify variables</b>  <b>Manipulate materials</b>  <b>Measure</b>  <b>Observe/ Predict</b>	<b>PS</b> <b>4.4.2a,b</b> <b>4.4.4b</b> <b>4.4.4c</b>	<b>Written lab plan</b>  <b>Lab performances</b>  <b>Written test</b>

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<b>3 weeks</b>	<b>PS Looking at Liquids</b>	<b>Phase changes  Elements – Properties and characteristics  Atom structure</b>	<b>Observe liquid  Interpret data  Measure quantities/ Properties of liquids  Gather data</b>	<b>PS 4.3.3f,g 4.3.1a 4.3.3a</b>	<b>Lab performance  Written test  Written lab reports</b>

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<b>7 weeks</b>	<b>PS Rocketry</b>	<b>Forces  Gravity  Newton's Law  Force/Mass/ Acceleration  Action/Reaction</b>	<b>Create models  Identify variables  Manipulate variables  Observe  Predict</b>	<b>PS 4.5.2b 4.5.1d 4.2.1a</b>	<b>Lab performance/ Model construction</b>

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<b>3 weeks</b>	<b>PS Solar System</b>	<b>Sun</b>  <b>Planets</b> <b>Earth</b> <b>1. Rotation</b> <b>    a. Day and night</b> <b>    b. Seasons</b>  <b>2. Moon phases</b>  <b>3. Gravity</b>	<b>Manipulate materials (telescope)</b>  <b>Observe</b>  <b>Predict</b>  <b>Make forecasts</b>	<b>PS</b> <b>4.1.1a,b</b> <b>4.1.1b</b> <b>4.1.1f</b> <b>4.1.1c,d</b> <b>4.1.1e</b> <b>4.1.1b,d</b>	<b>Written test</b>

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<b>3 weeks</b>	<b>LE Animals and Plant Adaptations</b>	<b>Evolution  Reproduction  Fertilization  Cell division (asexual reproduction)</b>	<b>Communicate  Gather data  Observe “The Movie”</b>	<b>LE 4.3.2a 4.4.1a</b>	<b>Written test</b>