

UNIT	SKILLS	TYPE OF ASSESSMENT USED
Scientific Method	<ol style="list-style-type: none"> 1. Knowledge of and use of the steps of the scientific method 2. Controlled studies: Vocabulary and completion of labs 3. Tools and strategies of science: <ul style="list-style-type: none"> - classification charts - observation/inference - measuring by difference <ul style="list-style-type: none"> graduated cylinder triple balance beam scale - measurement <ul style="list-style-type: none"> metric accurate/estimated 	<ul style="list-style-type: none"> • Lab performances • Worksheets and homework • Teacher observation • Tests: <ul style="list-style-type: none"> Multi choice Short answer
Energy	<ol style="list-style-type: none"> 1. Law of Conservation of Energy: kinetic/potential energy <ul style="list-style-type: none"> - Energy types: <ul style="list-style-type: none"> • electromagnetic energy • radiant • thermal • mechanical • nuclear • electrical • chemical 2. Electricity <ul style="list-style-type: none"> - atoms, parts, charges - charges - circuits 3. Electromagnets <ul style="list-style-type: none"> - magnets - energy types and conversions - use of - construction of devices using electromagnets - energy conversions 	<ul style="list-style-type: none"> • Projects: <ul style="list-style-type: none"> Construct circuits, electromagnets and electromagnetic devices • Open/free response test • Teacher observation • Lab performances • Worksheets and homework • Tests: <ul style="list-style-type: none"> Free/open - quizzes Multi choice test

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Forces and Motion	<ol style="list-style-type: none">1. Motion:<ul style="list-style-type: none">- described by position, speed- judged in response to another object's point- inertia, friction, gravity- Newton's 3 laws- momentum	<ul style="list-style-type: none">• Class activities• Labs• Observation• Worksheets, homework• Activities
Geology	<ol style="list-style-type: none">1. Interactions of lithosphere, hydrosphere and atmosphere.2. Theory of Plate Tectonics/Continental Drift Theory<ul style="list-style-type: none">-Cycles/recycling-Layers of the earth-Movement, convection currents3. Earthquakes<ul style="list-style-type: none">-Types-Causes/destruction-Technology4. Volcanoes<ul style="list-style-type: none">- Types/models- Classification- Ring of fire5. Weathering and Erosion<ul style="list-style-type: none">- Physical weathering vs chemical weathering	<ul style="list-style-type: none">• Paper/pencil• Models/diagrams• Worksheets and homework• Teacher observation• Projects• Open-ended• Short answers• Multiple choice