

Mansfield Independent School District
Grade Three Scope of Instruction

Nature of Science	Life Science	Physical Science	Earth Science
<p><u>Safety:</u></p> <ul style="list-style-type: none"> ○ Proper use of safety equipment: goggles and aprons; ○ Symbols: fire, goggles, apron ● Proper hand washing procedures ● Safe use of equipment ● Following teacher directions (verbal and written) ● Labeling of materials ● Safety drills <p><u>Conservation:</u></p> <ul style="list-style-type: none"> ● Recycling ● Disposal of materials ● Wise use of materials <p><u>Scientific Process:</u></p> <ul style="list-style-type: none"> ● Teacher modeling; student use ● Collect, compile, and analyze data on graphs and charts ● Make observations and predictions ● Introduce hypothesis (hypothesis must be based on an educational guess) ● Modeling selection and proper use of equipment and tools during investigations <p><u>Measurement:</u></p> <ul style="list-style-type: none"> ● Accuracy in measuring ● Units in metric system 	<ul style="list-style-type: none"> ● Habitats: observe and describe ● Competition between living organisms ● Needs of living organisms ● Environmental changes affect living organisms ● Modification by living organisms to meet basic needs ● Inherited traits of plants and animals ● Characteristics to survive and reproduce ● Adaptive characteristics 	<p><u>Properties of Matter:</u></p> <p>Identify states of matter (solids, liquids, gases)</p> <ul style="list-style-type: none"> ● Temperature ● Mass ● Hardness <p><u>Forces and Motion:</u></p> <ul style="list-style-type: none"> ● Simple machines including pulleys and levers ● Effects of force and motion with simple machines ● Introduction to magnetism: attraction and repulsion <p><u>Use thermometers, magnets, and balances</u></p> <p><u>Simple Systems</u></p> <ul style="list-style-type: none"> ● Observe and identify ● Describe role of parts 	<ul style="list-style-type: none"> ● Identify, describe and classify earth materials <ul style="list-style-type: none"> ○ Rocks ○ Soil ○ Water ○ Atmospheric Gases. ● Properties of soil ● Identify that the surface of the earth can be changed by forces <ul style="list-style-type: none"> ○ Earthquakes ○ Glaciers. ● Solar System <ul style="list-style-type: none"> ○ Planets and their position in relation to Sun ○ Characteristics of Sun ● Classify resources of earth materials <ul style="list-style-type: none"> ○ Renewable ○ Nonrenewable ○ Inexhaustible