

Mansfield Independent School District
Scope of Instruction, Kindergarten Science

Nature of Science	Life Science	Physical Science	Earth Science
<p><u>Safety:</u></p> <ul style="list-style-type: none"> • Listen to the teacher and follow teacher direction • Using the senses safely <ul style="list-style-type: none"> ○ Touch ○ Taste ○ Smell • Wash hands after using science materials • Taking care of science equipment • Safety drills • Respecting animal safety <p><u>Conservation:</u></p> <ul style="list-style-type: none"> • Saving water, electricity, and other important materials • Recycling <p><u>Scientific Method:</u></p> <ul style="list-style-type: none"> • Teacher modeling • Use higher level thinking questions <p><u>Understanding Data:</u></p> <ul style="list-style-type: none"> • Organize data into charts and graphs <ul style="list-style-type: none"> ○ Picture Graphs ○ Bar Graphs • Listening • Illustrating • Journaling • Collecting information • Verbalizing, summarizing <p><u>Measuring:</u></p> <ul style="list-style-type: none"> • Use non-standard measure • Hotter, colder • Longer shorter • More, less 	<p><u>Organisms have properties and patterns.</u></p> <ul style="list-style-type: none"> • Describe characteristics • Observe growth <p><u>Systems have parts</u></p> <ul style="list-style-type: none"> • Sort organisms by parts • Record observations and label parts (plants and animals) • Missing parts = doesn't work <p><u>Change occurs</u></p> <ul style="list-style-type: none"> • Life cycles • Color changes (camouflage) • Change in size and shape (caterpillar to butterfly) <p><u>Living versus Nonliving</u></p> <ul style="list-style-type: none"> • Identify • Group <p><u>Living Organisms have basic needs</u></p> <ul style="list-style-type: none"> • Identify needs • Give examples of how they depend on each other • Earth provides resources 	<p><u>Properties and Patterns in Objects:</u></p> <ul style="list-style-type: none"> • Sorting • Identifying characteristics • Patterns <p><u>Parts of systems:</u></p> <ul style="list-style-type: none"> • Missing parts = doesn't work • Parts do different things when they are together or apart <p><u>Change can occur in:</u></p> <ul style="list-style-type: none"> • Size • Mass • Color • Position • Quantity • Time • Temperature • Sound • Movement 	<p><u>Events have properties and patterns</u></p> <ul style="list-style-type: none"> • Seasons • Day and Night • Predicting what is next <p><u>Systems and parts</u></p> <ul style="list-style-type: none"> • Sort organisms and objects into groups • Record observations about parts of plants • Record observations about parts of animals <p><u>Change occurs</u></p> <ul style="list-style-type: none"> • Weather patterns • Heat causes change <p><u>Earth Resources</u></p> <ul style="list-style-type: none"> • Rocks, soil and water