

GRADE 3 SCIENCE CURRICULUM MAP 2007-2008

| September | October | November | December | January |
|--|--|---|--|--|
| <p>3:1 Life Cycles-Compare, contrast, and draw conclusions about the stages in the life cycle of a seed, insect, bird, and mammal</p> <ul style="list-style-type: none"> • Monarch book • Observe a live Monarch hatch • Compare ¾ stage metamorphosis • Read about life cycles of a cricket and a grasshopper and a cicada | <p>3:4 Vertebrate and muscular systems</p> <ul style="list-style-type: none"> • Review bones on real skeleton • Create skeleton in class • Send labeled skeleton home to study • Practice bone naming on selves • Learn protection, shape, structure • Booklets on skeletal system • Test on Skeletal system | <p>3:4 Vertebrate and muscular system</p> <ul style="list-style-type: none"> • Send home labeled muscles of body to study • Exercise each muscle • Recite together muscles in the body • Dissect Chicken leg • Characteristics and attributes of Vertebrates • Test on muscles | <p>3:2 Biomes</p> <ul style="list-style-type: none"> • Movie-Animals Adaptations • Workbooks <ul style="list-style-type: none"> ○ Polar ○ Taiga ○ Deciduous | <p>3:2 Biomes</p> <ul style="list-style-type: none"> ▪ World Maps for coloring in different biomes ▪ Tundra, Tiaga, Deciduous, Grasslands, Deserts, Fresh Water, Oceans, Rainforests <ul style="list-style-type: none"> ○ Movies ○ Notes ○ Booklets • Biome Globes • Report with graphic organizers • Dioramas |

| February | March | April | May | June |
|---|---|--|--|------|
| <p>3:3 Vertebrate/Invertebrate report</p> <ul style="list-style-type: none"> Learn to use Encyclopedias and indexes Research animals in trade books, encyclopedias, and internet Fill out report plan Write report Make book including Table of Contents and present orally Movie Animal Adaptations | <p>3:3 Vertebrate/Invertebrate report</p> <ul style="list-style-type: none"> Learn to use Encyclopedias and indexes Research animals in trade books, encyclopedias, and internet Fill out report plan Write report Make book including Table of Contents and present orally Movie Animal Adaptations | <p>3:7 Physical Science—observe, describe and record evidence of physical changes in matter and describe how changing size and shape can alter the usefulness of matter.</p> <ul style="list-style-type: none"> Root beer experiment Demonstrations of changes of matter through heat and cold Demonstrations of how solids and liquids can sometimes look similar <p>3:9 Physical Science—investigate the properties and uses of magnets and describe the effects and interactions of magnets on various objects, including other magnets.</p> <ul style="list-style-type: none"> Experiments with magnets experiencing north and south poles Demonstrations of powerful magnets Experiments with what is attracted to magnets Experiments of repelling magnets <p>3:5 Earth and Space—analyze the domestic and public uses of selected water resources by humans and design a written plan for personal water preservation and conservation.</p> <ul style="list-style-type: none"> Demonstrations of condensation, evaporation, run off, reservoir, groundwater Demonstrations of pollution and conserving natural resources. Creating a plan for preservation and | <p>3:9 Physical Science – Magnets</p> <ul style="list-style-type: none"> demonstrate north/south Magnets pick up metal Discovery of Magnets Assessment <p>3:8 Physical Science - Simple Machines</p> <ul style="list-style-type: none"> Ramps Can opener Clothes pins Wedge Force, Friction, and gravity Assessment <p>3:5 Earth & Space</p> <ul style="list-style-type: none"> Water cycle Pollution Reduce, Reuse, Recycle Assessment | |

| | | | | |
|--|--|--|--|--|
| | | <p>conservation of water.</p> <p>3:1 Life Cycles-Compare, contrast, and draw conclusions about the stages in the life cycle of a seed, insect, bird, and mammal</p> <ul style="list-style-type: none">• Monarch book• Observe a live Monarch hatch• Compare $\frac{3}{4}$ stage metamorphosis• Read about life cycles of a cricket and a grasshopper and a cicada | | |
|--|--|--|--|--|