

## September

### **Life Skills**

Self-observation (height, weight, differences in hair and eye color, favorite things, self-portrait)  
Senses (what they do, how they help us, matching cards, tasting and smelling bottles)

### **Anatomy:**

Skeletal/Muscular Systems (how they shape us, make us move, names of parts)

### **Botany/Zoology:**

Living/non-living (tray work, sorting)  
Differences between plants and animals (concrete representation)  
Needs of plants and animals  
Vertebrate/Invertebrate ( sorting)  
(Continue work through next month in conjunction with October topics)

### **Earth Science:**

Parts of the Earth (Nomenclature)

### **Geography/ History:**

Air/land/water (sorting, creating collage work from magazines)  
Land forms (Concrete and nomenclature)  
Globes and maps (Orange demonstration, NSEW, label classroom with directions, all future map work done with map facing North)

### **Astronomy:**

Sun (age appropriate definition, characteristics, what it gives us, its place as the center of our solar system)

### **Art:**

Primary colors

### **Music:**

*I Am Special*  
Chorus only of *The Family of the Sun*  
*Here at Montessori*

## October

### **Life Skills:**

Begin Hygiene - 2 months - (hand washing, bathroom habits, hair, skins, nails, clothing, bedding, food-washing, teeth {will work into digestive system in Nov.})

### **Anatomy:**

Continue skeletal/muscular system

### **Botany:**

Recognition of plants and its parts (parts of a plant nomenclature, plants in the classroom, fall planting outside)

### **Zoology:**

Five classes of vertebrates (sorting with concrete objects and pictures)  
Viviparous and oviparous (sorting with eggs)

### **Earth Science:**

Begin weather (daily weather charts, temperature, precipitation {don't jump ahead to water cycle scheduled in Dec.}, clouds, difference in seasons in different parts of the world)

### **Geography/History:**

Types of water bodies (lakes, rivers, oceans)  
Fresh and salt water (floating egg experiment)  
Reinforce knowledge of maps, globes, air/land/water, land forms

### **Astronomy:**

Definition of solar system  
Milky Way Galaxy

### **History:**

Columbus and other theories of New World exploration and discovery

### **Art:**

Secondary colors

### **Music:**

Chorus of *Five Little Vertebrates*  
Continue chorus of *Family of the Sun*  
Introduce Percussion family

## November

### **Life Skills:**

Continue hygiene (tooth as part of the digestive system, how disease moves in relation to the flu season and how to prevent)

### **Anatomy:**

Begin digestive system - 2 months (various experiments on how our digestive system works, parts of the digestive system: tooth decay – drop tooth into baby food jar with diet coke, watch decay over a week; digestive system – put saltine in bag with “acid” (orange juice), put saltine cracker on tongue, saliva)

### **Botany:**

Begin study of roots (definition, purpose, uses, roots that we eat)

### **Earth Science:**

Continue weather ( temperatures are changing, the importance of appropriate clothing, do the spare set of clothes need changed out?)

### **Astronomy:**

Continue universe, solar system, galaxy, sun and solar system

### **Art:**

Tertiary colors, texture

### **Music:**

Add appropriate vertebrate verse to *Five Little Vertebrates*  
Begin brass family

	<b>Zoology</b>	<b>Geography/ Continent</b>	<b>Water Body</b>	<b>Biome</b>	<b>History</b>
Room 1	Reptiles	North America	Great Lakes	Deserts	Westward Movement
Room 2	Amphibians	South America	Pacific Ocean	Rainforests	Ancient Incas
Room 3	Fish	Asia	Indian Ocean	Mountains	Marco Polo Great Wall of China

## December

**Life Skills:**

Begin nutrition (food groups and what they do for the body, vitamins and minerals, good eating habits, sorting by food group)

**Anatomy:**

Continue digestive system (relate to healthy food in nutrition unit)

**Botany:**

Stems and trunks (definition, purpose, uses, stems that we eat)

**Earth Science:**

Begin water cycle (relate to weather study of last month, experiments, why we live in a desert {rain shadow experiment-dirt, soil, grass seeds, watering can – show how grass grows on one side because the cloud hits the mountain and drops the rain before getting to the desert side, how the air pressure traps clouds and pulls raindrops out.})

**Astronomy:**

Begin inner planets (names, order of position from the sun, characteristics, begin unit project)

**Art:**

Warm/cool colors

**Music:**

Add appropriate verse to *Five Little Vertebrates*  
Begin inner planet verses to *Family of the Sun*  
Begin *When We Learn About the Food Groups*  
Begin woodwind family

	<b>Zoology</b>	<b>Geography/ Continent</b>	<b>Water Body</b>	<b>Biome</b>	<b>History</b>
Room 1	Amphibians	South America	Pacific Ocean	Rainforests	Ancient Incas
Room 2	Fish	Asia	Indian Ocean	Mountains	Marco Polo Great Wall of China
Room 3	Mammals	Africa	Seas of World	Grasslands	Ancient Egypt

## January

### **Life skills:**

Continue nutrition

### **Anatomy:**

Begin heart/circulatory system - 2 months (parts of the heart, stethoscope to hear the heartbeat, relate to nutrition, what is good for a healthy heart)

### **Botany:**

Trees ( types of trees, coniferous, deciduous, fruit trees)

### **Earth Science:**

Continue water cycle

### **Astronomy:**

Continue inner planets

### **Art:**

Black and white media, shadow and contour

### **Music:**

Add appropriate verse to *Five Little Vertebrates*

Continue solar system and nutrition songs

Continue woodwind family

	<b>Zoology</b>	<b>Geography/ Continent</b>	<b>Water Body</b>	<b>Biome</b>	<b>History</b>
Room 1	Fish	Asia	Indian Ocean	Mountains	Marco Polo Great Wall of China
Room 2	Mammals	Africa	Seas of the World	Grasslands	Ancient Egypt
Room 3	Invertebrates	Europe	Atlantic Ocean	Forests	Renaissance

## February

### **Life Skills:**

Manners (dress-up luncheon party on Valentine's Day using very best manners, real dishes and utensils, cloth napkins & tablecloths, etc.)

### **Anatomy:**

Continue heart and circulatory system

### **Botany:**

Leaves - 2 months (parts of the leaf, purpose of the leaf, uses, leaves that we eat)

### **Earth Science:**

Soil (How it is formed, different types, what grows or cannot grow in different types of soil)

### **Astronomy:**

Asteroid belt (definition and location, define asteroids)

### **Art:**

Tint, shade, monochrome

### **Music:**

Add appropriate verse to *Five Little Vertebrates*

Practice *Family of the Sun*

Begin strings family

	<b>Zoology</b>	<b>Geography/ Continent</b>	<b>Water Body</b>	<b>Biome</b>	<b>History</b>
Room 1	Mammals	Africa	Seas of the World	Grasslands	Ancient Egypt
Room 2	Invertebrates	Europe	Atlantic Ocean	Forests	Renaissance
Room 3	Marsupials and Monotremes	Australia	Coastal areas	Oceans	

## March

### **Life skills:**

Continue manners

### **Anatomy:**

Begin lungs and respiratory system (associate with leave and photosynthesis, importance of clean air, relate to problems with allergy season)

### **Botany:**

Continue leaves

### **Earth Science:**

Rocks, minerals, volcanoes, (experiments, matching, nomenclature, create a volcano, visual observation of rocks and minerals)

### **Astronomy:**

Gas giants (names, positions from the sun, characteristics)

### **Art:**

Positive/negative space, complimentary colors

### **Music:**

Add appropriate verse to *Five Little Vertebrates*

Add Jupiter and Saturn to *Family of the Sun*

Begin keyboards/ piano, electronic

	<b>Zoology</b>	<b>Geography/ Continent</b>	<b>Water Body</b>	<b>Biome</b>	<b>History</b>
Room 1	Invertebrates	Europe	Atlantic Ocean	Forests	Renaissance
Room 2	Marsupials and Monotremes	Australia	Coastal areas	Oceans	
Room 3	Birds	Antarctica	Arctic Ocean	Polar Regions	Antarctic Exploration

## April

### **Life Skills:**

Begin safety (discussion of safety in public places, at home, {kitchen, stairs, fireplaces, etc.}, riding in the car, swimming pools, fire, earthquake, flash floods)

### **Anatomy:**

Continue lungs and respiratory system

### **Botany:**

Begin flowers and fruits - 2 months (parts of the flower, purpose of each part, methods of pollination, life cycle of the flowering plant, definition and identification of different types of fruit, nomenclature)

### **Earth Science:**

Continue rocks, minerals, volcanoes, magnets

### **Astronomy:**

Outer planets (names, positions from the sun, characteristics)

### **Art:**

Analogous colors, neutrals

### **Music:**

Add appropriate verse to *Five Little Vertebrates*

Add outer planets to *Family of the Sun*

Choral music

	<b>Zoology</b>	<b>Geography/ Continent</b>	<b>Water Body</b>	<b>Biome</b>	<b>History</b>
Room 1	Marsupials and Monotremes	Australia	Coastal areas	Oceans	
Room 2	Birds	Antarctica	Arctic Ocean	Polar Regions	Antarctic Exploration
Room 3	Reptiles	North America	Great Lakes	Deserts	Westward movement

May

**Life Skills:**

Continue safety

**Anatomy:**

Brain and nervous system (parts of the brain, experiments with the nervous system and relate to the senses learned at the beginning of the year)

**Botany:**

Continue flowers and fruit

**Earth Science:**

Fossils and dinosaurs (parts of the dinosaur, herbivorous and carnivorous, theories of extinction, observation of fossils, making clay fossils)

**Astronomy:**

Comets, stars, constellations (definitions, relate to the fact that the sun is a star, art project with constellations)

**Art:**

Pattern/focal point, line, motion in art

**Music:**

Asian Instruments  
Practice for academic celebration

	<b>Zoology</b>	<b>Geography/ Continent</b>	<b>Water Body</b>	<b>Biome</b>	<b>History</b>
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Room 2	Reptiles	North America	Great Lakes	Deserts	Westward movement
Room 3	Amphibians	South America	Pacific Ocean	Rainforests	Ancient Incas