Use the following puzzles in your learning centers and with related *Nature Revealed* learning experiences. The icon in the upper right-hand corner shows you which learning experiences the puzzles support. To extend the life of your puzzles, cut them apart, then laminate them.
Plant and Animal Product Puzzles

- Cow to Milk
- Chicken to Eggs
- Cotton Plant to T-Shirt
- Honey Jar to Bee
Energy Puzzles
These colorful characters illustrate concepts in selected *Nature Revealed* stories. The icon in the upper right-hand corner shows you which learning experiences the characters support. Make the characters last longer by cutting them apart, then laminating, and applying small magnetic strips or small dots of Velcro, depending on the kind of storyboard you have.
Tree Puzzle
The Harvest
The Harvest
Everything Needs Something to Live
Everything Needs Something to Live
See How the Turkey Grows
See How the Turkey Grows
Willie the Woodchuck
Fred's Forest
Drip and Drop
Drip and Drop
Where Do Animals Go When it Rains?
Where Do Animals Go When it Rains?
Where Do Animals Go When it Rains?
Seeds, Roots, Plants
A Plant Puzzle
Molly and the Forest Fire
Molly and the Forest Fire
Joe's Choice 10

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Frogs and Toads
Frogs and Toads
The diagrams in this section show you how to use *Nature Revealed* learning centers and learning experiences to explore nature topics and meet Missouri’s early learning goals.
**Topic**

- **Ideas To Explore**
  - These are concepts children might construct as a result of participating in the learning experience.

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**Season**

- **Seasonal Abbreviations**
  - F – Fall
  - W – Winter
  - SP – Spring
  - SU – Summer

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**Seasonal Learning Experience lesson number**

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**Additional learning experience**

- Additional learning experiences appear with no italics and no initial capitals. Find them in the additional learning experiences block of the indicated lesson number.

**Seasonal Learning Experience lesson title**

- Seasonal Learning Experiences appear in italics and with initial capitals. The lesson number indicates location.

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**Legend**

- **Art**
  - Additional learning experience* (W–10)
  - Seasonal Learning Experience lesson title ** (SP–4)

- **Blocks/Pretend Play**

- **Learning Centers**

- **LARGE MOTOR/OUTSIDE**

- **Display**

- **Field Trips**

- **Group**

- **Nutrition**

- **Science**

- **Woodworking**

- **Music**

- **Reading/Writing**

- **Sensory**

- **Start**

- **Movement**

- **Building**

- **Self-Regulation**

- **Mathematics**

- **Language**

- **Dramatic Play**

- **Language Arts**

- **Exploration**

- **Language/Communication**

- **Science/Technology**

- **Sociology**

- **Social Studies**

- **Sports**

- **Technology**

- **Visual Arts**

- **Writing**

- **Woodworking**

- **Year Ahead**
Air and Water

Ideas To Explore
- Air and water are important to all living things.
- Ice is a solid form of water.
- Water cycles over and over again.
- Water cycles to earth in several different states (solid—snow, liquid—rain, gas—fog).
- Air is difficult to see but can be felt and heard.
- People can affect both water and air.

MANIPULATIVE
- Where Do Animals Go When it Rains? (SP–3)

NUTRITION
- Cloud snacks (SP–1)
- Animal crackers and water (SP–3)

MUSIC
- I'm a Little Milkweed Cradle (F–10)
- Three Little Snowflakes (W–10)
- Three rain drops song (SP–1)
- Dance in wind with scarves (SP–4)

SCIENCE
- Do Trees Get Drinks? (F–4)
- Filter snow (W–10)
- Prism rainbows (SP–1)
- Make a cloud (SP–1)
- Cloud diary (SP–1)
- Observe a puddle (SP–2)
- What Is Air? (SU–7)
- What's in the Air? (SU–8)
- Water samples (SU–9)
- Underwater “feely” box (SU–9)

FIELD TRIPS
- Walk in the rain (SP–1)
- Look for signs of erosion (SP–10)
- Check leaves in ditch for What's in the Air? (SU–8)
- Aquatic Life (SU–9)

WOODWORKING
- Habitat (F–17)
- Melt the Ice Cube (W–13)
- Compare wind creations (SP–4)
- What Is Erosion? (SP–10)

ART
- Ice painting (W–10)
- Chalk on dark paper art (W–10)
- Snowflakes (W–10)
- Ice sculptures (W–13)
- Rainbow pictures (SP–1)
- Cloud pictures (SP–1)
- Storm painting (SP–1)
- What Goes in the Wind (SP–4)
- Wind chimes (SP–4)
- Blow painting (SP–4)
- Aquatic-life pictures (SU–9)

READING/WRITING
- B, T, and U (W–15)
- Drip and Drop (SP–1)
- Seeds, Roots, Plants (SP–15)
- Joe's Choice (SU–10)

BLOCKS/PRETEND PLAY
- Ice fishing (W–11)
- Hanging Out (SP–2)
- Oil and water in sensory table (SU–8)

LARGE MOTOR/OUTSIDE
- Experiment with traveling seeds (F–10)
- Blow on seeds that travel in the wind (F–10)
- Look for seeds that travel in the wind (F–10)
- Skaters Away (W–11)
- Act like melting ice (W–13)
- Freeze tag (W–13)
- Observe clouds (SP–1)
- Rainbow dance (SP–1)
- Measure the rain (SP–1)
- Pretend to be raindrops (SP–1)
- Water painting (SP–2)
- Tie crepe paper on trike handlebars (SP–4)
- Blow bubbles in the wind (SP–4)
- Kites (SP–4)
- Feel air on windy day (SU–7)
- Windy races (SU–7)
- Move like animals in water (SU–9)

Display
- Pictures of clouds (SP–1)
- Pictures of how wind helps and harms people and/or animals (SP–4)

Group
- Habitat (F–17)
- Melt the Ice Cube (W–13)
- Compare wind creations (SP–4)
- What Is Erosion? (SP–10)
Amphibians and Reptiles

Amphibians

- Amphibians go through metamorphosis, reptiles do not.
- Amphibians are cold blooded.
- Amphibians lay eggs, usually in water.
- Reptiles hatch from eggs, usually buried on land.
- Reptiles and amphibians can be identified by their eggs and/or color pattern.
- Amphibians and reptiles are both predator and prey.
- Amphibians and reptiles live on land and in water.
- Reptiles have scales, amphibians do not.
- Reptiles are not slimy or scary.
- Frogs and toads are different.

Reptiles

- Ideas To Explore
  - Amphibians and reptiles are both cold blooded.
  - Amphibians lay eggs, usually in water.
  - Reptiles hatch from eggs, usually buried on land.
  - Reptiles and amphibians can be identified by their eggs and/or color pattern.
  - Amphibians and reptiles are both predator and prey.
  - Amphibians and reptiles live on land and in water.
  - Reptiles have scales, amphibians do not.
  - Frogs and toads are different.

- Nutrition
  - Edible frogs and toads (SU–14)
  - Peanut butter play-dough prey (SU–15)

- Music
  - Habitune (F–17)
  - Frogs and toads song (SU–14)
  - Ribbit Ribbit (SU–14)
  - Five Green Speckled Frogs (SU–15)

- Art
  - Cave Life (F–18)
  - What Hatches From an Egg? (SP–22)
  - Aquatic life pictures (SU–9)
  - Fishing Permits (SU–11)
  - Frog and toad finger paint (SU–14)
  - Frog and toad habitat (SU–14)
  - Camouflage painting (SU–16)

- Reading/Writing
  - Frogs and Toads (SU–14)

- Science
  - Underwater “feely” box (SU–9)
  - Observe a frog or toad (SU–14)

- Large Motor/Outside
  - Move like amphibians and reptiles and find habitat (F–17)
  - Act out metamorphosis of frog or toad (SU–14)
  - Leapfrog (SU–14)
  - You Can’t Find Me! (SU–16)

- Blocks/Pretend Play
  - Build amphibian and reptile habitats (F–17)
  - Conservation agent dress-up clothes (SU–11)
  - Frogging (SU–12)

- Manipulative
  - Where Do Animals Go When it Rains? (SP–3)
  - Frog and toad sort (SU–14)
  - Sort animal cards by skin covering (SU–16)

- Field Trips
  - Look for amphibian and reptile habitat (F–17)
  - Aquatic Life (SU–9)
  - Search out amphibian and reptile animal cards on hike (SU–16)

- Conservation
  - Habitat (F–17)

- Woodworking
Aquatic Life

**Ideas To Explore**
- Water in streams, rivers, creeks, and lakes supports a variety of plant and animal life.
- Water is a type of habitat.
- Some animals can live only in water while others can adapt to both land and water.

**ART**
- Cave Life (F–18)
- What Hatches From an Egg? (SP–22)
  - Aquatic life watercolor wash (SU–9)
    - Fishing Permits (SU–11)
    - Fish prints (SU–13)
      - Frog and toad finger paint (SU–14)
      - Frog and toad habitat (SU–14)
      - Camouflage painting (SU–16)

**READING/WRITING**
- Aquatic life class book (SU–9)
- Joe’s Choice (SU–10)
- Frogs and Toads (SU–14)

**SCIENCE**
- Underwater “feely” box (SU–9)
- Water samples (SU–9)
- Live fish (SU–12)
- Observe a frog or toad (SU–14)

**NUTRITION**
- Sardines (SU–12)
- Goldfish crackers (SU–13)
- Edible frogs and toads (SU–14)
- Peanut butter play-dough creatures (SU–15)

**MANIPULATIVE**
- Sort animal cards by habitat (F–17)
- Where Do Animals Go When it Rains? (SP–3)
- Sort animal cards by what lives in water and what doesn’t (SU–9)
- Tackle box sort (SU–12)
- Fish memory (SU–13)
- Frog and toad sort (SU–14)
- Sort animal cards by skin covering (SU–16)

**BLOCKS/PRETEND PLAY**
- Ice fishing (W–11)
- Oil and water clean-up (SU–8)
- Beaver dams (SU–9)
- Conservation agent dress-up clothes (SU–11)
- Fish cooking supplies (SU–12)
- Let’s Go Fishing (SU–12)
- Frogging (SU–12)

**LARGE MOTOR/OUTSIDE**
- Move like plants/animals in water (SU–9)
- Boat on play yard (SU–12)
- Practice casting in hula hoops (SU–12)
- Play “fish and worms” (SU–12)
- You Can’t Find Me! (SU–16)

**MUSIC**
- Habitude (F–17)
- Fish Song (SU–13)
- Some have long legs (SU–14)
- Ribbit Ribbit (SU–14)
- Five Green Speckled Frogs (SU–15)

**Display**
- Aquatic Life (SU–9)
- Fish hatchery (SU–13)

**FIELD TRIPS**
- Aquatic Life (SU–9)
- Fish hatchery (SU–13)

**GROUP**
- Habitat (F–17)

**WOODWORKING**
Birds

**Ideas To Explore**
- Birds have feathers.
- Birds usually fly.
- Birds have wings.
- Birds hatch from eggs.
- Birds can be identified by their call, nest, eggs, and appearance.
- Birds are warm blooded.
- Birds usually care for their young.
- Birds can be both predator and prey.
- People eat game birds.

**Art**
- Stuffed Birds (W-4)
- Clay birds (W-4)
  - What Hatches From an Egg? (SP-22)
  - Make nests (SP-22)
  - Hunting permits (SU-11)

**Reading/ Writing**
- Everything Needs Something to Live (F-16)
- See How the Turkey Grows (F-21)
- Bird field guides (W-4)
- Seeds, Roots, Plants (SP-15)
- Molly and the Forest Fire (SP-17)

**Science**
- Compare domestic and wild turkey feathers (F-22)
- Bird Feeders (W-1)
- Plant birdseed (W-1)
- Explore a Feather (W-5)
- Display eggshells (SP-22)

**Blocks/Pretend Play**
- Pretend to be birds (W-3)
- Bird wings (W-4)
- Binoculars (W-6)
- Conservation agent dress-up clothes (SU-11)

**Large Motor/Outside**
- Act out turkey story (F-21)
- Play “catch a turkey” (F-22)
- Experiment with different kinds of feeders (W-1)
- Listen for bird calls (W-6)
- Migration Obstacles (W-7)
- Put out yarn for nests (SP-22)
- You Can’t Find Me! (SU-16)

**Music**
- I’m a Very Fine Turkey (F-22)
- I’m a Cardinal (W-6)
- Bird calls (W-6)

**Nutrition**
- Eat dry cereal like a bird (W-2)
- Bird nests (SP-22)
- Gummy worms (SP-22)
- Peanut butter play dough bird food (SU-15)

**Manipulative**
- Tree Puzzle (F-5)
- Bird memory (W-1)
- Pick a Beak (W-2)
- Sort bird animal cards by what they eat (W-2)
- Bird Puzzles (W-3)
- Sort bird animal cards by habitat (W-3)
- Sort bird animal cards by those that migrate and those that don’t (W-7)
- Track Puzzles (W-8)
- Egg memory (SP-22)
- Bird nest match (SP-22)
  - Sort animal cards by those that hatch from eggs and those that don’t (SP-22)
  - Sort animal cards by skin type (SU-16)

**Display**
- Bird sightings (W-1)
- Beak, feet, foods, and habitat display (W-3)
- Hang stuffed birds flying north or south (W-4)
- Bird museum (W-4)
- Bird feather exploration documentation (W-5)

**Field Trips**
- Turkey farm (F-22)
- Bird watching (W-6)
- Hatchery (SP-22)
- Search for bird animal cards on hike (SU-16)

**Group**
- Habitat (F-17)
- Invite a turkey or waterfowl hunter to visit (F-22)
- Chart bird feeder observations (W-1)
- Discuss how a feather can be used (W-5)
- Mother bird (SP-22)

**Woodworking**
- Put out plans for bird houses/ feeders (W-1)
Camping is a fun way to enjoy our natural resources. There are rules that people need to follow to be safe and respect other campers and the wildlife. Camping is a way to discover and explore the natural world. Camping involves gathering specific equipment.

**Ideas To Explore**

- **Camping Maps (SP–16)**
- **Molly and the Forest Fire (SP–17)**
- **Joe's Choice (SU–10)**
- **Fishing Stories (SU–10)**

**Art**

- **Sponge-paint bats (F–19)**
- **Flower rubbings (SP–14)**
- **Noise makers (SP–16)**
- **Forest fire pictures (SP–17)**
- **Fishing permits (SU–11)**
- **Hunting permits (SU–11)**
- **Fish prints (SU–13)**
- **Frog and toad finger painting (SU–14)**
- **Aquatic life chalk art (SU–14)**

**Blocks/Pretend Play**

- **Binoculars (W–6)**
- **Hanging Out (SP–2)**
- **Let's Go Camping (SP–16)**
- **Firefighter dress-ups (SP–17)**
- **Conservation agent dress-up clothes (SU–11)**
- **Let's Go Fishing (SU–12)**
- **Fish cooking supplies (SU–12)**
- **Frogging (SU–12)**

**Large Motor/Outside**

- **Tree Skin (F–2)**
- **Leaf rubbing scavenger hunt (F–2)**
- **Listen for bird calls (W–6)**
- **Campfire safety (SP–16)**
- **Compass use (SP–16)**
- **Logs and buckets of water to pretend to build and put out campfires (SP–17)**
- **Ant Café (SU–4)**
- **Dig fishing worms (SU–10)**
- **Boat on play yard (SU–12)**
- **Practice casting into hula hoops (SU–12)**
- **You Can't Find Me! (SU–16)**
- **Foxy Predators (SU–17)**

**Science**

- **Worth Their Weight (F–19)**
- **Charred wood and hand lenses (SP–17)**

**Nutrition**

- **Trail mix (SP–16)**
- **Goldfish crackers (SU–13)**
- **Edible frogs and toads (SU–14)**
- **Edible rocks (SU–22)**

**Reading/Writing**

- **Camping maps (SP–16)**
- **Molly and the Forest Fire (SP–17)**
- **Joe's Choice (SU–10)**
- **Fishing Stories (SU–10)**

**Music**

- **Habitune (F–17)**
- **Hairy Not Scary (F–19)**
- **I'm a Little Fox Squirrel (F–20)**
- **Who Am I? (SP–20)**
- **The Lights Go On (SU–3)**
- **Fish Song (SU–13)**
- **Frogs and toads song (SU–14)**

**Display**

- **Forest Fire Pictures (SP–17)**

**Field Trips**

- **Bird watching (W–6)**
- **Different types of camping areas (SP–16)**
- **Spider sniffing (SU–1)**
- **Trash Pickup (SU–6)**
- **Aquatic Life (SU–9)**
- **Search for animal cards on hike (SU–16)**
- **Rock Collection (SU–19)**

**Group**

- **Habitat (F–17)**
- **Demonstrate campfire safety (SP–16)**
- **RV visit (SP–16)**
- **Brainstorm camping first aid kit (SP–16)**
- **Invite fire fighter or Smokey Bear (SP–17)**
- **Trash Pickup (SU–6)**

**Woodworking**

- **Flower press (SP–14)**
Caves

**Ideas To Explore**
- Caves support a variety of wildlife.
- Caves are a special type of habitat.
- Different areas of the cave provide different types of habitat.
- People and most mammals live in the twilight zone of caves.
- Caves are made of rock.
- Missouri is the Cave State.

**Art**
- Cave Life (F–18)
- Cave models (F–18)
  - Sponge-paint bats (F–19)
  - Granite paper (SU–19)

**Blocks/Pretend Play**
- Bicycle helmet “caving hat” with flashlight taped on top and other special caving gear (F–18)
- Build shelters for animals hibernating (W–9)

**Reading/Writing**

**Science**
- Worth Their Weight (F–19)
- Crystal garden (SU–20)

**Large Motor/Outside**
- Blindfolded obstacle course (F–19)

**Nutrition**
- Bat fruit leather (F–19)

**Manipulative**
- Sort animal cards by those who live in caves and those who don’t (F–18)
- Track Puzzles (W–8)
- Where Do Animals Go When it Rains? (SP–3)

**Music**
- Habitune (F–17)
- Hairy Not Scary (F–19)

**Display**
- Cave (F–18)
- Aquatic Life (SU–9)
- Rock Collection (SU–19)

**Field Trips**
- Habitat (F–17)
- Caving expert (F–18)
- Echo experiment (F–19)

**Group**

**Woodworking**

**Reading/Writing**

**Woodworking**
IDEAS TO EXPLORE

- Energy can be generated in a variety of ways.
- Energy is important for survival.
- Energy should be used wisely.

ENERGY

- Energy collages (W–15)
- Sun pictures (W–18)
- Warm and cool color collage (W–18)
- Discuss recycled art materials used in art (W–20)
- Winter fabric collage (W–23)
- Winter clothing collage (W–23)
- What Goes in the Wind? (SP–4)
- Wind chimes (SP–4)
- Blow painting (SP–4)

ART

- Energy collages (W–15)
- Sun pictures (W–18)
- Warm and cool color collage (W–18)
- Discuss recycled art materials used in art (W–20)
- Winter fabric collage (W–23)
- Winter clothing collage (W–23)
- What Goes in the Wind? (SP–4)
- Wind chimes (SP–4)
- Blow painting (SP–4)

READ/WRITE

- B, T, and U (W–15)
- Fred’s Forest (W–21)
- Refueling station for cars and trucks (W–16)
- Grocery Shopping (W–20)
- Cotton batting to insulate buildings (W–22)
- Hanging Out (SP–2)

BLOCKS/PRETEND PLAY

- Refueling station for cars and trucks (W–16)
- Grocery Shopping (W–20)
- Cotton batting to insulate buildings (W–22)
- Hanging Out (SP–2)

LARGE MOTOR/OUTSIDE

- Refueling station for riding toys (W–16)
- Snow painting (W–18)
- Touch light and dark cars on sunny day (W–18)
- Photo paper pictures (W–18)
- Water paint (SP–2)
- Fly a kite (SP–4)
- Shadow Hunt (SP–5)

SCIENCE

- Static electricity experiments (W–14)
- Compare plants placed in sunny place and dark place (W–15)
- Wind-up toys (W–16)
- Does the Sun Give Us Energy? (W–18)
- Insulation (W–22)
- Winter Fabrics (W–23)

MANIPULATIVE

- Energy Puzzles (W–16)
- Match gloves and mittens (W–23)

NUTRITION

- Discuss refueling energy during snacks/meals (W–14)
- Sun tea (W–15)
- Dry fruits (W–18)

MUSIC

- Row, Row, Row Your Boat (W–16)

FIELD TRIPS

- Power plant, service station, grocery store (W–14)
- Wood stove store (W–17)
- Construction site to look at insulation (W–22)

GROUP

- What Is Energy? (W–14)
- Read electric meter (W–16)
- No Electricity (W–17)
- Discuss animal coat changes (W–18)
- Saving Energy (W–19)

WOODWORKING

- Take apart broken appliances (W–14)
Fish

**Ideas To Explore**
- Fish need a water habitat.
- Scales cover fish bodies.
- Fish breathe with gills.
- Fish eyes are usually on the sides of the head.
- Fish have fins.
- Fish lay eggs in water.
- Fish are both predator and prey.
- People like to catch, cook, and eat fish.

**Blocks/Pretend Play**
- Ice fishing (W–11)
- Oil and water clean-up (SU–8)
- Conservation agent dress-up clothes (SU–11)
- Let’s Go Fishing (SU–12)
- Fish cooking supplies (SU–12)

**Large Motor/Outside**
- Move like fish (SU–9)
- Dig fishing worms (SU–10)
- Practice casting (SU–12)
- Play “fish and worms” (SU–12)
- You Can’t Find Me! (SU–16)

**Art**
- Cave Life (F–18)
- What Hatches From an Egg? (SP–22)
  - Fish watercolor wash (SU–9)
  - Fishing Permits (SU–11)
  - Fish prints (SU–13)
  - Camouflage paint (SU–16)

**Reading/Writing**
- Joe’s Choice (SU–10)
- Fishing stories (SU–10)
- Frogs and Toads (SU–14)

**Science**
- Underwater “feely” box (SU–9)
- Water samples (SU–9)
- Observe fish (SU–12)

**Nutrition**
- Sardine tasting (SU–12)
- Goldfish crackers (SU–13)
- Peanut butter play dough fish food (SU–15)

**Manipulative**
- Sort animals cards by which ones hatch from eggs (SP–22)
- Tackle box sort (SU–12)
- Fish memory (SU–13)
- Sort animal cards by skin covering (SU–16)

**Music**
- Fish Song (SU–13)
- Five Green Speckled Frogs (SU–15)

**Display**

**Field Trips**
- Aquatic Life (SU–9)
- Fishing (SU–12)
- Fish hatchery (SU–13)

**Group**
- Habitat (F–17)

**Woodworking**
Food Chains

Ideas To Explore

- People and animals get their food from plants and/or other animals.
- Predators look for prey to eat.
- Food sources are an important part of habitat.
- Some predators help people.
- Prey have defenses to help protect them from predators.
- Predators and prey need each other.

ART
- Fishing Permits (SU–11)
- Hunting permits (SU–11)
- Camouflage art (SU–16)

READING/WRITING
- Everything Needs Something to Live (F–16)
- See How the Turkey Grows (F–21)
- Willie the Woodchuck (W–9)
- Seeds, Roots, Plants (SP–15)
- Joe’s Choice (SU–10)
- Frogs and Toads (SU–14)

SCIENCE
- Worth Their Weight (F–19)
- Explore a Log (SP–8)
- Observe a turtle or frog and try to feed bugs or worms (SU–15)

NUTRITION
- Animal Harvest (F–15)
- Peanut butter play dough spiders/insects (SU–2)
- Discuss source of snack or lunch food (SU–17)
- Harvest Time (SU–18)
- Serve honey on biscuits (SU–18)

MANIPULATIVE
- Sort animal cards by habitat (F–17)
- Sort animal cards by skin covering (SU–16)
- Match predator to prey animal cards (SU–17)

MUSIC
- I’m a Little Fox Squirrel (F–20)
- Who Am I? (SP–20)
- Ribbit Ribbit (SU–14)
- Five Green Speckled Frogs (SU–15)

FIELD TRIPS
- Aquatic Life (SU–9)
- Find hidden animal cards on hike (SU–16)

GROUP
- Habitat (F–17)
- Discuss predator/prey relationships (SU–17)
- Create a food chain (SU–17)

WOODWORKING
Harvest

Ideas To Explore

- People harvest plants and animals.
- There are many ways to store and preserve harvest.
- People have many purposes for harvested products.
- Farmers harvest plants and animals to earn money.

Large Motor/Outside

- Observe farmers harvesting crops (F–11)
- Play “worm through an apple” (F–13)
- Play “catch a turkey” (F–22)

Manipulative

- Fruit and vegetable memory (F–11)
- Count seeds and weigh apples (F–13)
- Line up pumpkins biggest to smallest (F–14)
- Plant and animal product puzzles (F–15)
- Grind wheat (SU–18)

Music

- Fish Song (SU–13)

Nutrition

- Vegetable or stone soup (F–11)
- Popcorn (F–12)
- Johnny cakes (F–12)
- Apple Pizzas (F–13)
- Apple dishes (F–13)
- Animal Harvest (F–15)
- Discuss where food comes from during snacks and meals (F–15, SU–17)
- Make butter (F–15)
- Harvest Time (SU–18)
- Serve honey on biscuits (SU–18)

Reading/ Writing

- The Harvest (F–11)
- Missouri food books (F–11)
- Johnny Appleseed books (F–13)
- Everything Needs Something to Live (F–16)
- See How the Turkey Grows (F–21)
- B, T, and U (W–15)
- Joe’s Choice (SU–10)
- The Little Red Hen (SU–18)

Science

- Something Corny (F–12)
- Apple tasting (F–13)
- Oxidation of an apple (F–13)
- Examine wool, feathers, honeycomb, etc. (F–15)

Woodworking

- Woodworking Comparisons (F–6)

Display

- Farm equipment with labels (F–11)
- Seed chart (F–14)
- Pictures of wheat from seed to plant to product (SU–18)

Field Trips

- Farm, farm-implement store, grocery store, farmer’s market or feed store (F–11, SU–18)
- Apple orchard (F–13)
- Pumpkin patch (F–14)
- Poultry farm (F–22)

Group

- Baby Plants (F–14)
Insects, Spiders, and Crawly Creatures

**Ideas To Explore**
- Insects and spiders are similar but different.
- Insects have six legs, three body parts and wings.
- Spiders have eight legs, two body parts and build webs.
- Insects and spiders can be helpful and harmful to people.
- Spiders can be classified by their web.
- Insects and spiders have certain habitat needs.
- Not all crawly creatures are insects or spiders.
- Insects and spiders can be predators and prey.

**ART**
- Cave Life (F–18)
  - Sock soil creatures (SP–11)
- Symmetrical butterfly painting (SP–19)
- Butterfly and moth sketches (SP–19)
- What Hatches From an Egg? (SP–22)
- Create spiders (SU–1)
- Draw spider webs with chalk (SU–2)
- Sketch roly-polies (SU–5)
- Camouflage painting (SU–16)

**Reading/Writing**
- Everything Needs Something to Live (F–16)
- See How the Turkey Grows (F–21)
- Butterfly/moth books (SP–19)
- Frogs and Toads (SU–14)

**Science**
- Worth Their Weight (F–19)
- Worm ranch (SP–11)
- Observe worm tracks (SP–11)
- What’s an Insect? (SP–18)
- Observe grasshoppers jumping (SP–18)
- Compare insects and spiders (SP–18)
- Observe caterpillars (SP–19)
- What Has Eight Legs? (SU–1)
- Spider collection (SU–2)
- Firefly experiment (SU–3)
- Compare beetles (SU–3)
- Roly-Poly Paradise (SU–5)

**Nutrition**
- Marshmallow and pretzel spiders and insects (SU–1)
- Peanut butter play dough spiders and insects (SU–2)
- Serve honey (SU–18)

**Blocks/Pretend Play**
- Soil and creatures in sensory table (SP–11)
- Dress and move like soil creatures (SP–11)
- Butterfly/moth dress-up props (SP–19)
- Glove spider puppets (SU–1)

**Large Motor/Outside**
- Explore leaf litter (F–16)
- What Lives in the Soil? (SP–11)
- Look for worms after a rain (SP–11)
- Do bee dances to communicate with each other (SP–18)
- Listen for insect sounds (SP–18)
- Act out butterfly/moth metamorphosis (SP–19)
- Look for butterflies/moths (SP–19)
- Butterfly nets (SP–19)
- Spider Web Toss (SU–2)
- Adopt a spider (SU–2)
- Observe fireflies blinking and try to trick with flashlight (SU–3)
- Ant Café (SU–4)
- Insect scavenger hunt (SU–4)
- You Can’t Find Me! (SU–16)

**Music**
- My Friend Little Caterpillar (SP–19)
- Itsy Bitsy Spider (SU–1)
- The Lights Go On (SU–3)
- Ribbit Ribbit (SU–14)
- Five Green Speckled Frogs (SU–15)

**Field Trips**
- Rotting stump (SP–18)
- Spider sniffing (SU–1)
- Spider web painting (SU–2)
- Capture fireflies (SU–3)
- Roly-poly expedition (SU–5)
- Aquatic Life (SU–9)
- Search for insect/spider animal cards on hike (SU–16)

**Display**
- Insect pictures (SP–18)

**Group**
- Habitat (F–17)
- Invite entomologist to visit (SU–4)

**Woodworking**
- Roly-Poly Paradise (SU–5)
Land Use

**Ideas To Explore**
- People choose to use land in many different ways.
- Land is a natural resource.
- People need to carefully consider how they use land.
- People and animals are dependent on land.

**Land Use**

- Winter activity collages (W–11)
- Snow sculptures (W–11)
- Noise makers (SP–16)
- Fishing Permits (SU–11)
- Hunting permits (SU–11)

**Blocks/Pretend Play**
- Build neighborhood with blocks (F–1)
- Make block map of neighborhood (F–1)
- Community helper dress-up clothes (F–1)
- Produce stand props (F–11)
- Farm equipment (F–11, SU–18)
- Ice fishing (W–11)
- Snowmobiles (W–11)
- Gardening equipment (SP–12)
- Flower Shop (SP–13)
- Let’s Go Camping (SP–16)
- Garbage collection (SU–4)
- Dump trucks and cranes to haul trash (SU–6)
- Sort trash (SU–6)
- Let’s Go Fishing (SU–12)
- Frogging (SU–12)
- Mining dress-ups (SU–20)
- Concrete/construction props (SU–21)
- Pea gravel in sensory table (SU–21)

**Display**
- Farm equipment pictures (F–11)
- Outdoor seasonal sports (W–11)
- Garden planting (SP–12)
- Litter scene (SU–6)

**Field Trips**
- What Can You See? (F–1)
- Various types of land use (F–1)
- Same land use type in different seasons (F–1)
- Farm, grocery store, farmer’s market or feed store (F–11)
- Apple orchard (F–13)
- Pumpkin patch (F–14)
- Poultry farm (F–22)
- Power plant or service station (W–14)
- Trash Pickup (SU–6)
- Recycling plant, landfill (SU–6)
- Rock quarry (SU–21)

**Group**
- Habitat (F–17)
- Saving Energy (W–19)
- What Is Erosion (SP–10)
- Recycling bins in the classroom (SU–6)

**Woodworking**
- Woodworking Comparisons (F–6)

**Art**
- Winter activity collages (W–11)
- Snow sculptures (W–11)
- Noise makers (SP–16)
- Fishing Permits (SU–11)
- Hunting permits (SU–11)

**Reading/Writing**
- The Harvest (F–11)
- Missouri food books (F–11)
- See How the Turkey Grows (F–21)
- B, T, and U (W–15)
- Fred’s Forest (W–21)
- Molly and the Forest Fire (SP–17)
- Joe’s Choice (SU–10)

**Science**
- Something Corny (F–12)
- Experiment with water soluble and plastic foam peanuts (SU–6)
- What Is a Mineral? (SU–20)

**Nutrition**
- Vegetable or stone soup (F–11)
- Animal Harvest (F–15)
- Harvest Time (SU–18)
- Cut biscuits with farm animal cutters (SU–18)

**Music**
- Habiture (F–17)
- Sing “this is the way we shovel the snow” (W–11)
- Fish Song (SU–13)

**Large Motor/Outside**
- Look for farmers harvesting crops (F–11)
- Play “catch a turkey” (F–22)
- Skaters Away (W–11)
- Snow shovels (W–11)
- Winter Olympics (W–11)
- Refueling station for riding toys (W–16)
- Concrete Hand Prints (SU–21)

**Manipulative**
- Sort animal cards by habitat (F–17)

**Display**
- Farm equipment pictures (F–11)
- Outdoor seasonal sports (W–11)
- Garden planting (SP–12)
- Litter scene (SU–6)

**Field Trips**
- What Can You See? (F–1)
- Various types of land use (F–1)
- Same land use type in different seasons (F–1)
- Farm, grocery store, farmer’s market or feed store (F–11)
- Apple orchard (F–13)
- Pumpkin patch (F–14)
- Poultry farm (F–22)
- Power plant or service station (W–14)
- Trash Pickup (SU–6)
- Recycling plant, landfill (SU–6)
- Rock quarry (SU–21)

**Group**
- Habitat (F–17)
- Saving Energy (W–19)
- What Is Erosion (SP–10)
- Recycling bins in the classroom (SU–6)

**Woodworking**
- Woodworking Comparisons (F–6)
**Mammals**

**Ideas To Explore**
- Mammals are warm-blooded.
- Mammals bear live young.
- Mammals nurse their young.
- Mammals have hair or fur on their bodies.
- Mammals have a keen sense of smell.
- Mammals have certain habitat requirements.
- Some mammals are predator, some are prey, some are both.
- Mammals can be identified by their tracks and scat.

**Blocks/Pretend Play**
- Shelters for animals to hibernate (W–9)
- Baby animals and their mothers (SP–21)
- Materials for beaver dams (SU–9)
- Conservation agent dress-up clothes (SU–11)

**Large Motor/Outside**
- Blindfold obstacle course (F–19)
- Pretend to be squirrels (F–20)
- Look for tracks on play ground (W–8)
- Make tracks in snow for others to follow (W–8)
- Match boots to tracks (W–8)
- Collect tracks on peanut-butter covered cookie sheets (W–8)
- Find places to hibernate (W–9)
- Find warmer/colder places on play yard (W–9)
- You Can’t Find Me! (SU–16)
- Foxy Predators (SU–17)

**Display**
- Shoe track rubbings (W–8)
- Baby animals and their mothers (SP–21)

**Field Trips**
- Look for squirrel sign (F–20)
- Look for tracks (W–8)
- Farm with baby animals (SP–21)
- Search for mammal animal cards on hike (SU–16)

**Group**
- Habitat (F–17)
- Echo experiments (F–19)
- Where do animals store food? (F–20)
- Do You Smell My Mother? (SP–21)

**Woodworking**

**Art**
- Cave Life (F–18)
- Sponge paint bats (F–19)
- Paint tracks with bare feet (W–8)
- Stamp animal tracks (W–8)
- Hunting permits (SU–11)
- Camouflage painting (SU–15)

**Reading/Writing**
- Everything Needs Something to Live (F–16)
- See How the Turkey Grows (F–21)
- Willie the Woodchuck (W–9)
- Seeds, Roots, Plants (SP–15)
- Molly and the Forest Fire (SP–17)

**Science**
- Worth Their Weight (F–19)
- Track identification (W–8)
- Smell match (SP–21)

**Nutrition**
- Bat fruit leather (F–19)
- Eat like mammals preparing to hibernate (W–9)
- Rabbit food (SP–20)
- Identify lunch or snack foods by smell (SP–21)
- Peanut butter play dough (SU–15)

**Music**
- Habitune (F–17)
- Hairy Not Scary (F–19)
- I’m a Little Fox Squirrel (F–20)
- Who Am I? (SP–20)
Plants and Flowers

**Ideas To Explore**

- Plants are an essential part of the food chain.
- Plants often need insects and animals.
- Plants have habitat requirements.
- Plant reproduce with flowers and/or seeds.
- Plants can be identified by their flower.
- Flowers have a purpose for the plant’s survival.
- Plants and flowers have many identifiable parts.
- People use plants and flowers for many different things.

**Reading/Writing**

- The Harvest (F–11)
- Plants (F–17)
- Seeds, Roots, Plants (SP–15)
- B, T, and U (W–15)

**Art**

- Milkweed seed collages (F–10)
- Flower collages (SP–13)
- Dandelion rubbings (SP–14)

**Blocks/Pretend Play**

- Produce-stand props (F–11)
- Flower Shop (SP–13)
- Silk flowers to plant in block gardens (SP–13)
- Soil and flowers in sensory table (SP–13)
- Farmer dress-ups (SU–18)

**Large Motor/Outside**

- Nature Jar (F–9)
- Look for dormant plants (W–9)
- Class dandelion (SP–14)
- Find and identify parts on plants (SP–15)
- Compare and count plants leaves and flower petals (SP–15)

**Science**

- Hang On! (F–3)
- Do Trees Get Drinks? (F–4)
- Plant milkweed (F–10)
- How Does Your Garden Grow? (SP–12)
- Plants seeds in various soils (SP–12)
- Water plants with different liquids (SP–12)
- Favorite flower survey (SP–13)
- Force bulbs (SP–15)
- Color Queen Anne’s Lace (SP–15)

**Manipulative**

- Flower match or memory (SP–13)
- Seed and plant match (SP–15)
- Plant puzzle (SP–15)

**Nutrition**

- Harvest Time (SU–18)

**Music**

- I’m a Little Milkweed Cradle (F–10)

**Display**

- Seed and plant chart (F–14)
- Fabric-fastener garden (SP–12)
- Pictures of wheat garden (SU–18)

**Field Trips**

- Pumpkin patch (F–14)
- Moss hunt (SP–12)
- Wildflower habitat (SP–13)
- Flower Shop (SP–13)

**Group**

- Baby Plants (F–14)
- Habitat (F–17)
- What Is Erosion? (SP–10)
- Dandelion Potpourri (SP–14)

**Woodworking**

- Flower press (SP–14)
Recycling/Pollution

**Art**
- Energy collages (W–15)
- Sun pictures (W–18)
- Discuss recycled materials used in art (W–20)
- Litter bags (SU–6)

**Blocks/Pretend Play**
- Refueling stations for cars and trucks (W–16)
- Grocery Shopping (W–20)
- Dump trucks and cranes to haul trash (SU–6)
- Sort trash (SU–6)
- Garbage collector props (SU–6)
- Oil and water in sensory table with plastic animals (SU–8)

**Reading/Writing**
- B, T, and U (W–15)
- Fred’s Forest (W–21)

**Science**
- Filter snow (W–10)
- Experiment with water soluble peanuts (SU–6)
- What’s in the Air? (SU–8)

**Large Motor/Outside**
- Refueling station for riding toys (W–16)
- Compost pile (SP–7)

**Manipulative**
- Signs of erosion (SP–10)
- Trash Pickup (SU–6)
- Recycling plant (SU–6)
- Landfill (SU–6)
- Check leaves in ditch (SU–8)

**Display**
- Documentation from Where Do All the Dead Leaves Go? (SP–7)
- Outdoor scene with litter (SU–6)

**Field Trips**
- Signs of erosion (SP–10)
- Trash Pickup (SU–6)
- Recycling plant (SU–6)
- Landfill (SU–6)
- Check leaves in ditch (SU–8)

**Group**
- Habitat (F–17)
- What Is Energy? (W–14)
- No Electricity (W–17)
- Saving Energy (W–19)
- Where Do All The Dead Leaves Go? (SP–7)
- What Is Erosion? (SP–10)
- Recycling bins in classroom (SU–6)

**Woodworking**
- Take apart broken appliances (W–14)

**Recycling/Pollution Ideas To Explore**
- Caring for our natural resources is important.
- People can recycle to prevent waste.
- Pollution is ugly and harmful to people, plants and animals.
- Conservation means using our natural resources wisely.

**Nutrition**
- Sun tea (W–15)

**Music**

**Art**

**Blocks/Pretend Play**
Rocks

**Ideas To Explore**

- There are many kinds of rocks.
- People use rocks for many things.
- People and nature can make rocks shiny.
- Rocks are an important natural resource.

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**ART**
- Cave Life (F–18)
- Granite paper (SU–19)
- Watercolor rocks (SU–22)

**BLOCKS/PRETEND PLAY**
- Rock-hound props (SU–19)
- Mining clothes (SU–20)
- Concrete trucks (SU–21)
- Construction-worker props (SU–21)
- Pea gravel in sensory table (SU–21)

**LARGE MOTOR/OUTSIDE**
- Build kiln for firing clay (SP–9)
- Look for new rocks after a hard rain (SU–19)
- Concrete Hand Prints (SU–21)

**READ/WRITE**
- Transcribe rock discussion and display with pictures of children experimenting with rocks (SU–22)

**FIELD TRIPS**
- Cave (F–18)
- Dig clay (SP–9)
- Rock Collection (SU–19)
- Art or anthropology museum (SU–19)
- Rock quarry (SU–21)
- Pouring concrete (SU–21)

**GROUP**
- Label things around room made from minerals (SU–20)

**NUTRITION**
- Jell-O gemstones and Rice Krispie rocks (SU–22)

**MUSIC**
- Grind wheat or corn with rocks (SU–18, F–12)
- Sort rocks by color, shape, size or texture (SU–19)
- Rock memory (SU–19)

**SCIENCE**
- What Is Soil? (SP–6)
- Weigh rocks (SU–19)
- Rock “feely” box (SU–19)
- What Is a Mineral? (SU–20)
- Crystal garden (SU–20)
- Rock display (SU–21)
- The Quest For Shiny Rocks (SU–22)
- Rock tumbler (SU–22)

**MANIPULATIVE**
- Weigh rocks (SU–19)
- Crystal garden (SU–20)
- Rock display (SU–21)
- The Quest For Shiny Rocks (SU–22)

**WOODWORKING**
- Label things around room made from minerals (SU–20)
Seeds

**Ideas To Explore**
- Seeds are the way plants reproduce.
- Seeds have many ways of traveling.
- Seeds are a food source for many animals and people.
- Seeds grow into plants when planted.
- Most plants produce many seeds.

**ART**
- Seed collages (F–9)
- Milkweed collages (F–10)

**READING/WRITING**
- The Harvest (F–11)
- Make Missouri food books (F–12)
- Seeds, Roots, Plants (SP–15)

**SCIENCE**
- Weigh, measure, and compare seeds (F–9)
- Examine milkweed (F–10)
- Plant milkweed seeds (F–10)
- Sort seeds by how they are dispersed (F–10)
- Something Corny (F–12)
- Soak pumpkin/squash seeds (F–14)
- Bird Feeders (W–1)
- Plant bird seed (W–1)
- How Does Your Garden Grow? (SP–12)

**MANIPULATIVE**
- Grind corn (F–12)
- Count seeds and weigh apples (F–13)
- Seed and plant match (SP–15)
- Grind wheat (SU–18)

**MUSIC**
- I'm a Little Milkweed Cradle (F–10)
- I'm a Little Fox Squirrel (F–20)
- I'm a Very Fine Turkey (F–22)

**NUTRITION**
- “Seed of the day” snacks (F–9)
- Popcorn (F–12)
- Pumpkin seeds (F–14)
- Harvest Time (SU–18)

**BLOCKS/PRETEND PLAY**
- Pretend to be seeds and disperse (F–10)
- Farming equipment (F–11)
- Gardening props (SP–12)

**LARGE MOTOR/OUTSIDE**
- Nature Jar (F–9)
- Compare available playground berries/seeds to store-bought bird seed (F–9)
- Blow on seeds that travel in the wind (F–10)
- Look for seeds that travel in the wind (F–10)
- Blow on dandelion gone to seed (SP–14)
- Class dandelion (SP–14)

**FIELD TRIPS**
- Play “what’s missing” with seeds (F–9)
- Baby Plants (F–14)
- Habitat (F–17)
- Discuss where animals bury food (F–20)

**GROUP**
- Seed chart (F–14)
- Pictures of wheat from seed to harvest (SU–18)

**WOODWORKING**
- Seed chart (F–14)
- Pictures of wheat from seed to harvest (SU–18)
Soil

**Ideas To Explore**
- People use soil for many purposes.
- Plants need soil to grow.
- Plants keep soil in place.
- Soil is made up of ground up rocks and plants and animal matter.
- Many creatures live in and help soil.
- There are different types of soil.
- Soil will erode if we don’t take care of it.

**Blocks/Pretend Play**
- Farm equipment (F–11)
- Farmer dress-ups (F–11)
- Soil and creatures in sensory area (SP–11)
- Pretend to be soil creatures (SP–11)
- Gardening props (SP–12)

**Large Motor/Outside**
- Explore leaf litter (F–16, SP–7)
- Create a compost pile (SP–7)
- Mud Pies (SP–9)
- What Lives in the Soil? (SP–11)
- Look for worms after a rain (SP–11)

**Display**
- Documentation from Where Do All the Dead Leaves Go? (SP–7)
- Documentation from What Is Erosion? (SP–10)

**Field Trips**
- Site with exposed tree roots (F–4)
- Dig clay (SP–9)
- Look for erosion (SP–10)

**Group**
- Where Do All the Dead Leaves Go? (SP–7)
- What Is Erosion? (SP–10)

**Woodworking**

**Science**
- Hang On! (F–3)
- Place rotting leaves in sensory table (F–16)
- What Is Soil? (SP–6)
- Experiment with packing peanuts (SP–7)
- Explore a Log (SP–8)
- Make mud pies with different types of soil (SP–9)
- Worm ranch (SP–11)
- Observe worm tracks (SP–11)
- How Does Your Garden Grow? (SP–12)
- Plant seeds in various soils (SP–12)

**Reading/Writing**
- The Harvest (F–11)
- Everything Needs Something to Live (F–16)
- Class mud pie recipe book (SP–9)
- Seeds, Roots, Plants (SP–15)

**Art**
- Mud paint (SP–9)
- Sock soil creatures (SP–11)

**Music**

**Nutrition**

**Manipulative**

**Woodworking**

**Field Trips**
- Site with exposed tree roots (F–4)
- Dig clay (SP–9)
- Look for erosion (SP–10)

**Group**
- Where Do All the Dead Leaves Go? (SP–7)
- What Is Erosion? (SP–10)

**Display**
- Documentation from Where Do All the Dead Leaves Go? (SP–7)
- Documentation from What Is Erosion? (SP–10)

**Science**
- Hang On! (F–3)
- Place rotting leaves in sensory table (F–16)
- What Is Soil? (SP–6)
- Experiment with packing peanuts (SP–7)
- Explore a Log (SP–8)
- Make mud pies with different types of soil (SP–9)
- Worm ranch (SP–11)
- Observe worm tracks (SP–11)
- How Does Your Garden Grow? (SP–12)
- Plant seeds in various soils (SP–12)

**Reading/Writing**
- The Harvest (F–11)
- Everything Needs Something to Live (F–16)
- Class mud pie recipe book (SP–9)
- Seeds, Roots, Plants (SP–15)

**Art**
- Mud paint (SP–9)
- Sock soil creatures (SP–11)
Trees and Forests

**Ideas To Explore**

- Trees are beneficial to people and animals in many ways (provide shade, habitat, clean the air, hold soil in place, food, etc.)
- People sometimes harvest trees.
- Trees are a renewable resource.
- Trees can be identified by leaf, bark, seeds, nuts, etc.
- Trees have several parts.
- Trees can be destroyed by fire.

**Art**
- Construction paper trees (F–5)
- Embellish transparency trees (F–7)
- Leaf portraits (F–8)
- Leaf collages (F–8)
- Leaf prints (F–8)
- Foil leaf prints (F–8)
- Leaf rubbings (F–8)
- Water color leaves (F–8)
- Leaf creatures (F–8)
- Forest-fire pictures (SP–17)

**Blocks/Pretend Play**
- Carpenter props (F–6)
- Tree-surgeon props (F–6)
- Add twigs and clay to blocks to represent trees for buildings (F–7)
- Firefighter props (SP–17)

**Reading/Writing**
- Class tree-bark rubbing/leaf book (F–2)
- Tree Books (F–7)
- Small, individual tree books (F–7)
- Johnny Appleseed (F–13)
- Everything Needs Something to Live (F–16)
- See How the Turkey Grows (F–21)
- Fred’s Forest (W–21)
- Molly and the Forest Fire (SP–17)

**Science**
- Examine tree cookies (F–2)
- Hang On! (F–3)
- Do Trees Get Drinks? (F–4)
- Soak leaves in water (F–4)
- Apple tasting (F–13)
- Bird Feeders (W–1)
- Explore a Log (SP–8)
- Examine charred wood (SP–17)

**Large Motor/Outside**
- Tree Skin (F–2)
- Bark-rubbing treasure hunt (F–2)
- Look for tree roots (F–3)
- Adopt a tree (F–7)
- Look for signs of wildlife using trees (F–7)
- Wet leaf prints (F–8)
- Leaf color hunt (F–8)
- Nature Jar (F–9)
- Explore leaf litter (F–16, SP–7)

**Manipulative**
- Tree Puzzle (F–5)
- Sort animal cards by those that live in trees and those that don’t (F–7)
- Leaf Lotto (F–8)
- Leaf memory (F–8)
- Sort leaves (F–8)
- Weigh and measure apples (F–13)
- Apple peeler (F–13)
- Where Do Animals Go When it Rains? (SP–3)

**Nutrition**
- Drink with straws and compare straw with trunk of tree pulling up nutrients from the roots (F–4)
- Serve tree fruits and nuts (F–6)
- Apple Pizzas (F–13)

**Music**
- What Kind of Tree Are You? (F–5)
- I’m a Little Fox Squirrel (F–20)
- I’m a Very Fine Turkey (F–22)

**Display**
- Tree-bark rubbings and leaf match (F–2)
- Documentation from Hang On! experiment (F–3)
- Forest-fire pictures (SP–17)

**Field Trips**
- Look for exposed tree roots (F–3)
- Lumber yard, sawmill, cabinet shop or musical instrument maker (F–6)
- Apple orchard (F–13)
- Forest (W–21)
- Rotting log (SP–8)
- Campsite to build fire (SP–17)

**Group**
- Invite fiddler or woodworker to visit (F–6)
- Find leaf partners (F–8)
- Habitat (F–17)
- Discuss forest products (W–21)
- Where Do All the Dead Leaves Go? (SP–7)
- Explore a Log (SP–8)

**Woodworking**
- Woodworking Comparisons (F–6)
**Weather**

**Ideas To Explore**
- Weather changes with each season.
- Weather forces people and animals to change and adapt.
- Seasons are predictable.
- Shadows are related to the sun or other light source.

**Art**
- Ice-cube painting (W–10)
- Snow pictures (W–10)
- Cut and decorate snowflakes (W–10)
  - Plastic foam snow sculptures (W–11)
  - Snow shakers (W–11)
  - Ice sculptures (W–11)
- Clothing collages (W–12)
- Fabric collages (W–23)
- Cloud pictures (SP–1)
- Storm painting (SP–1)
- Rainbows (SP–1)
- What Goes in the Wind? (SP–4)
- Blow painting (SP–4)
- Add shadows to drawings (SP–5)

**Blocks/Pretend Play**
- Hibernation cave (W–9)
- Foam packing snow (W–10)
- Set “snow” over buildings (W–10)
- Ice fishing (W–11)
- Carpet sleds (W–11)
- Snowmobiles (W–11)
- Weather station (W–12)
- Seasonal clothing (W–12)
- Rain gear (SP–1)
- Hanging Out (SP–2)
- Add shelters for animals in rain (SP–3)

**Large Motor/Outside**
- Measure snow depth (W–10)
- Skaters Away (W–11)
- Newspaper snowball fight (W–11)
- Snowshoeing (W–11)
- Shovel snow (W–11)
- Look for animal activity patterns in different seasons (W–12)
- Rainbow dance (SP–1)
- Observe shapes/movements of clouds (SP–1)
- Pretend to be raindrops (SP–1)
- Rain gauge (SP–1)
- Water paint (SP–2)
- Birds (SP–4)
- Bubbles (SP–4)
- Shadow Hunt (SP–5)
- Play “lose your shadow” or “shadow tag” (SP–5)

**Reading/Writing**
- See How the Turkey Grows (F–21)
- Willie the Woodchuck (W–9)
- B, T, and U (W–15)
- Fred’s Forest (W–21)
- Drip and Drop (SP–1)
- Seeds, Roots, Plants (SP–15)
- What Goes in the Wind? (SP–4)
- Blow painting (SP–4)
- Add shadows to drawings (SP–5)

**Science**
- Filter snow (W–10)
- Explore snow in sensory table (W–10)
- What’s the Temperature? (W–12)
- Insulation (W–22)
- Winter Fabrics (W–23)
- Prism rainbows (SP–1)
- Make a cloud (SP–1)
- Cloud diary (SP–1)
- Rainfall chart (SP–1)
- Observe a puddle (SP–2)
- Draw around shadows at different times of day (SP–5)
- Add color to shadows (SP–5)

**Nutrition**
- Marshmallow or mashed potato
- Snow sculptures (W–11)
- Cloud snacks (SP–1)
- Animal crackers and water (SP–3)

**Manipulative**
- Tree Puzzle (F–5)
- Sort pictures of children in clothing appropriate for different seasons (W–12)
- Match animal cards with seasonal habitat (W–12)
- Where Do Animals Go When it Rains? (SP–3)
- Animal and shadow match (SP–5)

**Music**
- I’m a Little Fox Squirrel (F–20)
- Three Little Snowflakes (W–10)
- Dance like snowflakes (W–10)
- Sing “this is the way we shovel the snow” (W–11)
- Three rain drops song (SP–1)
- Raindrops (SP–1)
- Rain sticks (SP–1)
- Rain recordings (SP–1)

**Field Trips**
- Ice rink (W–11)
- Walk in the rain (SP–1)

**Group**
- Take the temperature (W–12)
- Graph seasonal clothing (W–12)
- Melt the Ice Cube (W–13)
- Play “whose shadow” (SP–5)

**Woodworking**
- Outdoor seasonal activities (W–11)
- Seasonal scenes (W–12)
- Animals in seasonal environments (W–12)
- Children in seasonal clothing (W–23)
- Clouds and children's ideas about them (SP–1)
- Shadow pictures (SP–5)