

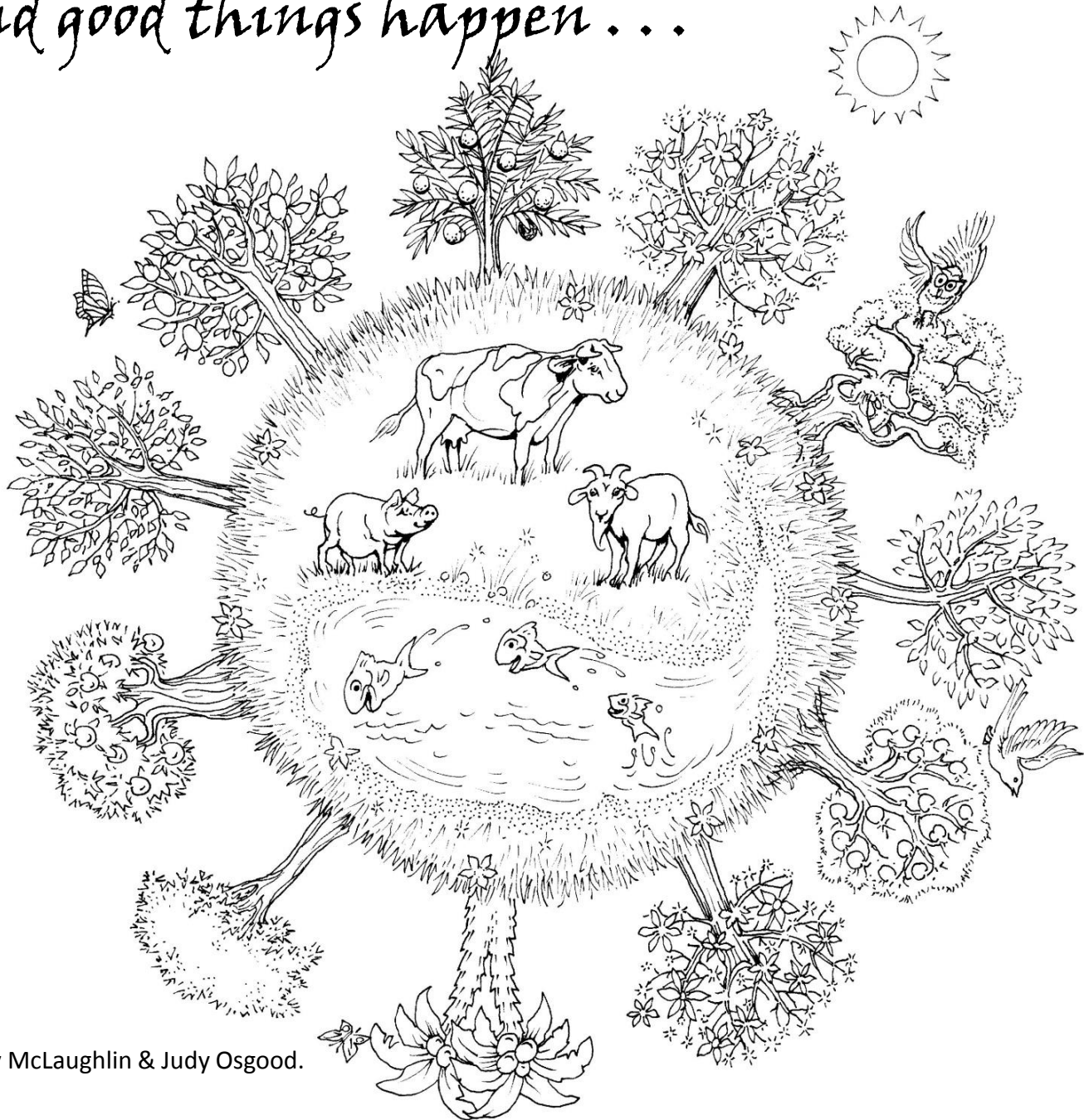


Plant a Tree and Good Things Happen!

A guideline for younger children
By Mary McLaughlin & Judy Osgood
Illustrations by Edward Brooks

Plant a tree and good things happen . . .

1. To the air we breathe
2. To the food we eat
3. To the birds that fly
4. To the animals that live on the ground
5. To the rivers, the ponds and the sea
6. To the jobs we can do
7. To the joy we have in play



Plant a tree and good things happen . . . to the air we breathe

How do trees help us breathe?



Key Concepts:

Trees are the lungs of the earth.

People need to breathe in air with oxygen to live.

People breathe in oxygen (O_2) and breath out carbon dioxide (CO_2).

Trees take in carbon dioxide and turn it into oxygen.

Questions and Activities:

*Put your hand on your chest. Breathe in and out.

Do you feel the air coming in and going out? Where does the air come into the body and where does it exit?

What organ of the body holds the air?

What do we mean by bad or dirty air?

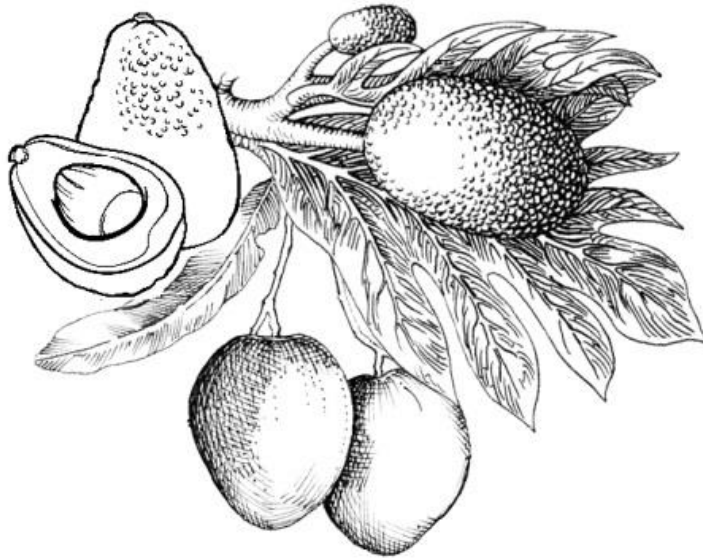
*If you breathed in bad air what would happen to you?

What causes bad air? What helps the air to improve?

What are the other gases that make up the air that we breath?

Plant a tree and good things happen . . . to the food we eat

Name some trees that give you food to eat:



Brainstorm: things we eat that grow on trees:

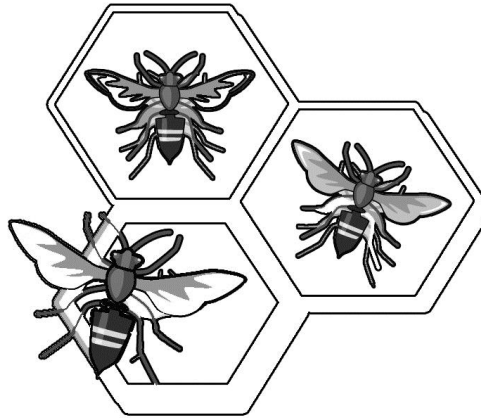
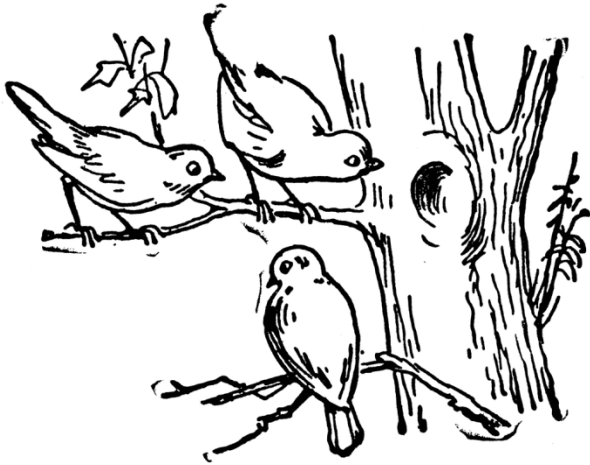
Ackee	Limes
Allspice	Mango
Almonds	Maple syrup
Apples	Moringa
Bananas	Naseberry
Bay leaves	Olives
Beechnuts	Oranges
Brazil nuts	Pawpaw
Breadfruit	Peaches
Cashews	Persimmon
Cherries	Pigeon pea
Chestnuts	Pine nuts
Cinnamon	Pistachios
Cloves	Plums
Cocoa	Pomegranate
Coconuts	Soursop
Dates	Starfruit
Ginkgo nuts	Tamarind
Guava	Walnuts
Jackfruit	
Lemon	

Questions and Activities

- *How many of these have you eaten?
- *Can you identify the smell and taste?
- *Categorize what you've brainstormed.
- *Alphabetize your list.

Plant a tree and good things happen . . . to the animals that fly in the sky

Name some of the animals that fly in the sky:



Key Concepts:

Birds take seeds from the fruit they eat and sometimes spread them to other areas.

Bees take nectar and make into honey.
As bees move from flower to flower they pollinate the plants.

Bats eat fruit and spread seeds.

Birds and Bats eat insects.

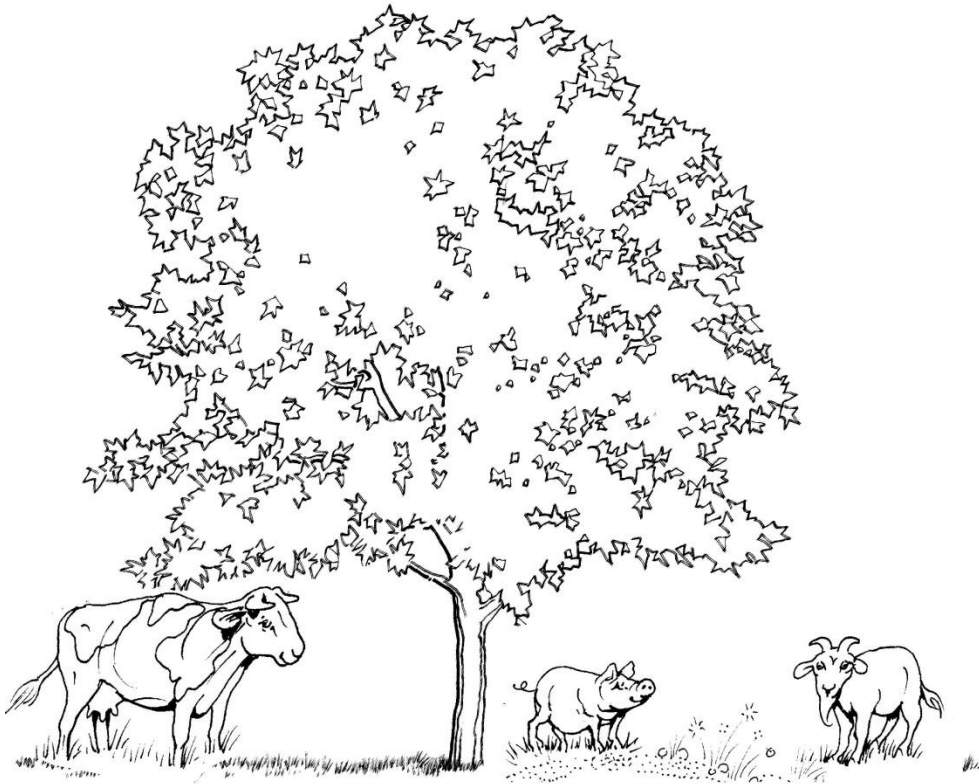
They all need trees for food and shelter.

Questions and Activities:

- *Which animal in the pictures flies the highest?
- *Do all animals that fly have wings?
- *Are all flying animals birds?
- *Do all animals with wings fly?
- *How do these animals help the trees?
- *How do the trees help them?

*Plant a tree and good things happen . . .
to the animals that live on the ground*

How do the animals that live on the ground benefit from trees?



Key Concepts:

Many animals eat fruit that falls from the tree.

Animals need shade from the hot sun.

Animals make homes in the trees.

Animals need oxygen to breathe.

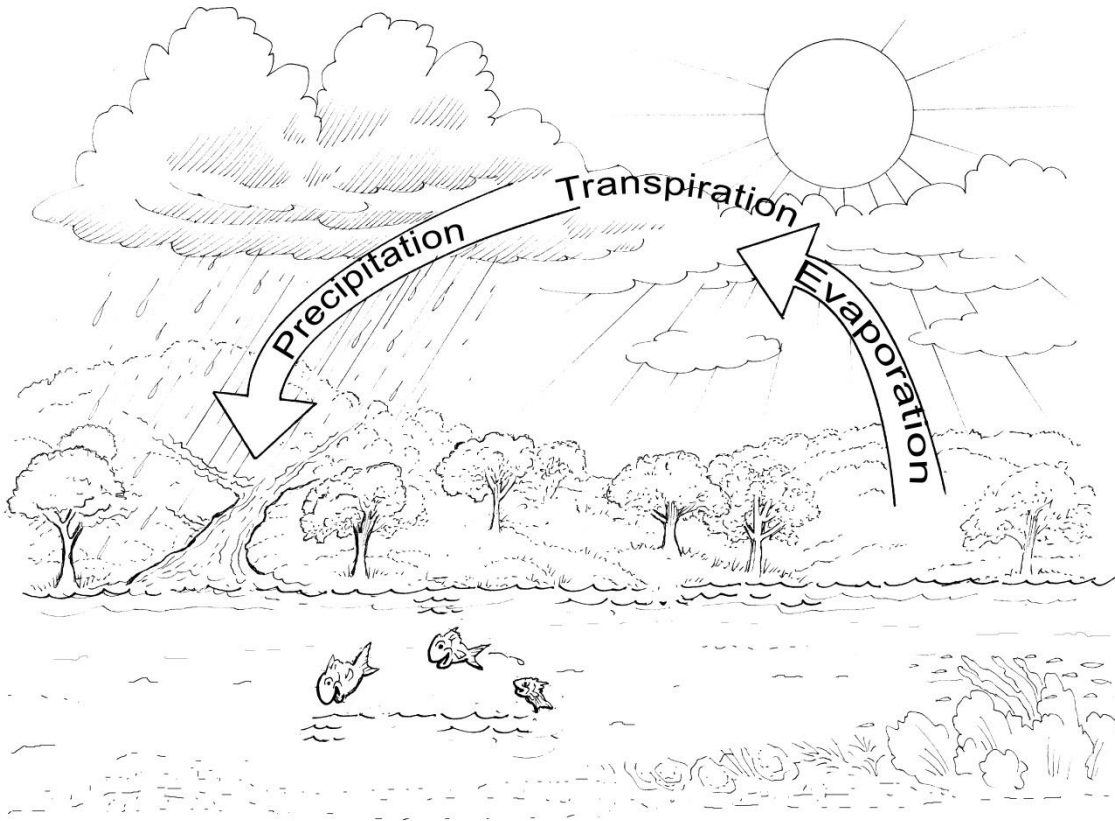
Questions and Activities

*On your way home from school do an observation study.

See how many animals are resting in the shade and how many are in the hot sun.

Plant a tree and good things happen . . . to the air and water

How do trees help to benefit our rivers ponds and sea?



Key Concepts:

Leaves from trees act as filters
to strain out the mud from the water.

If rivers are clean, then the sea will
stay clean.

We will have healthy reefs and more
fish.

Evaporation: process by which the sun
heats water, changing it from liquid to
vapor (gas)

Transpiration: process by which
moisture is carried through plants and
evaporates into the air through the
plant's leaves

Precipitation: process by which water
comes back to earth (rain)

Questions and Activities

*Take 2 containers and make a few small holes in the bottoms.

Fill one with dirt, and fill the second with crushed leaves and dirt on top.

Slowly pour water over both and see which one has cleaner water that flows
out at the bottom.

*How is this like what trees do for the water and air?

Plant a tree and good things happen . . . to the jobs we will be able to do

What kinds of jobs are created from trees?



Key Concepts:

Jobs are created from selling fruit and nuts.

Jobs are created from processing.

Jobs are created from transporting people and fruit.

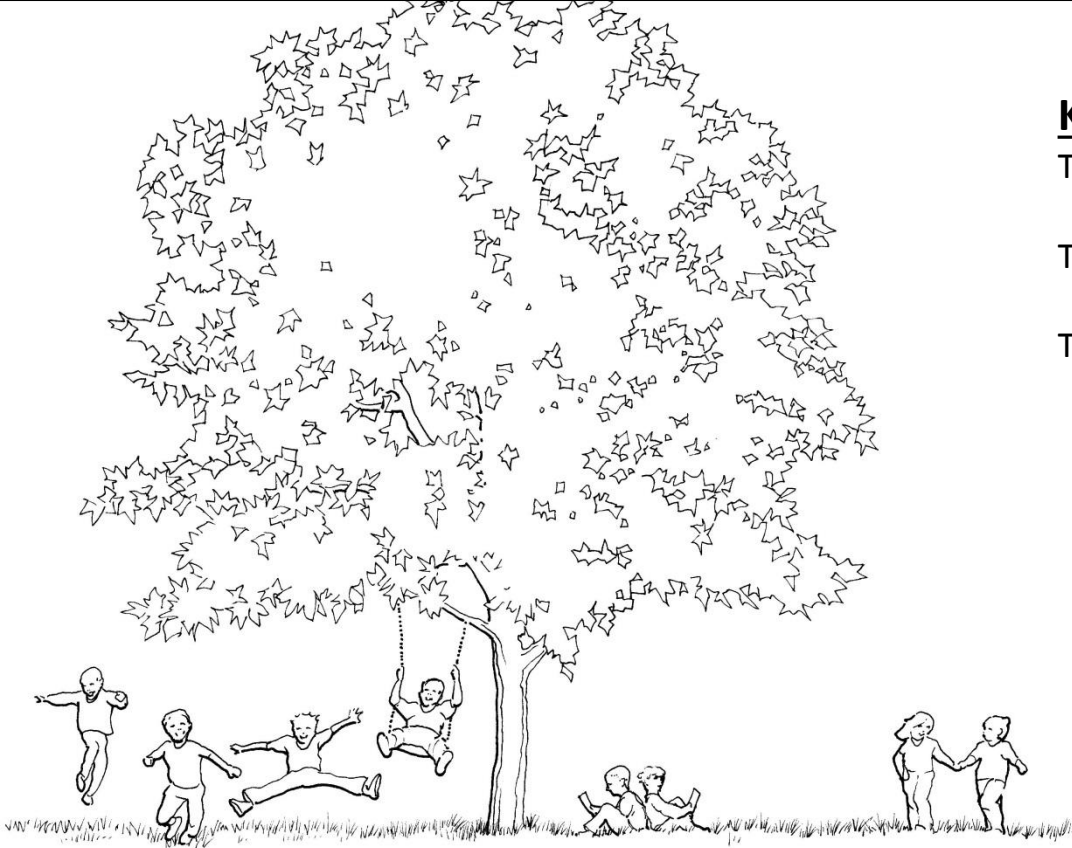
Other jobs are made from post harvest products like fruit jams, juices, and flour.

Questions and Activities

- *Name juices made of fruit that are sold in stores.
- *Name a cake that is made from a fruit.
- *Brainstorm how many things can be made from coconuts?

*Plant a tree and good things happen . . .
to the joy we have in play*

Would you rather be in the sun for an hour or be in the shade?



Key Concepts:

Trees are nature's umbrellas.

They protect you from the rain and the sun.

Trees add to the beauty of our world.

Questions and Activities

- *How much hotter is it in the full sun than in the shade?
- *How do you measure the temperature?
- *Why don't you stand under a tree when there's lightning?

HOW TO PLANT A FRUIT TREE

Spacing of trees to be planted 30 – 35 feet apart for breadfruit. Smaller trees plant 20 feet apart.

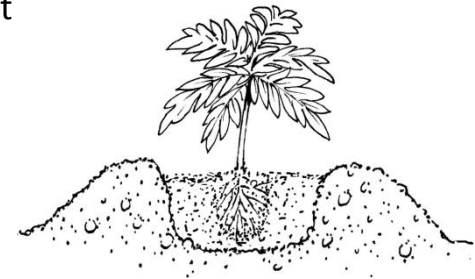
1. Dig a hole at least 18 inches diameter and 18 inches deep. Keep some of the extra soil on the side. Mix organic material or compost with some soil and put in the bottom of the hole. Water the hole well before planting.



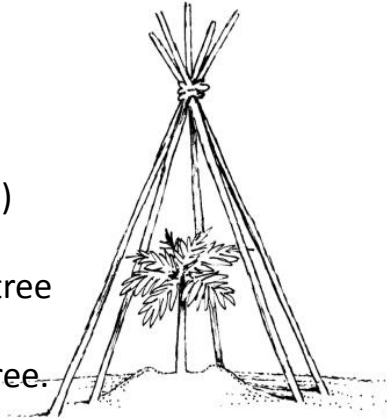
2. Remove the plant from the container. Try to keep the roots and soil together.. It is OK to even tear some of the roots, just a little, to stimulate new root growth.



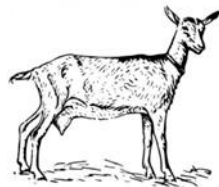
3. Don't plant too low! Don't cover the roots higher than when in its container. Fill around the plant with extra soil that was removed. Pack soil firmly around the roots but



4. Make a teepee (pyramid of sticks) around the tree 3 or 4 feet tall. This will help to protect the young tree from hot sun, and children playing in the area will know to avoid the tree.



5. If possible plant some red peas or kidney beans at the base of the teepee so the vines will grow up on the sticks to provide some shade from excessive sun.



Water one gallon every 2 days.

Keeps goats away. Goats kill trees.