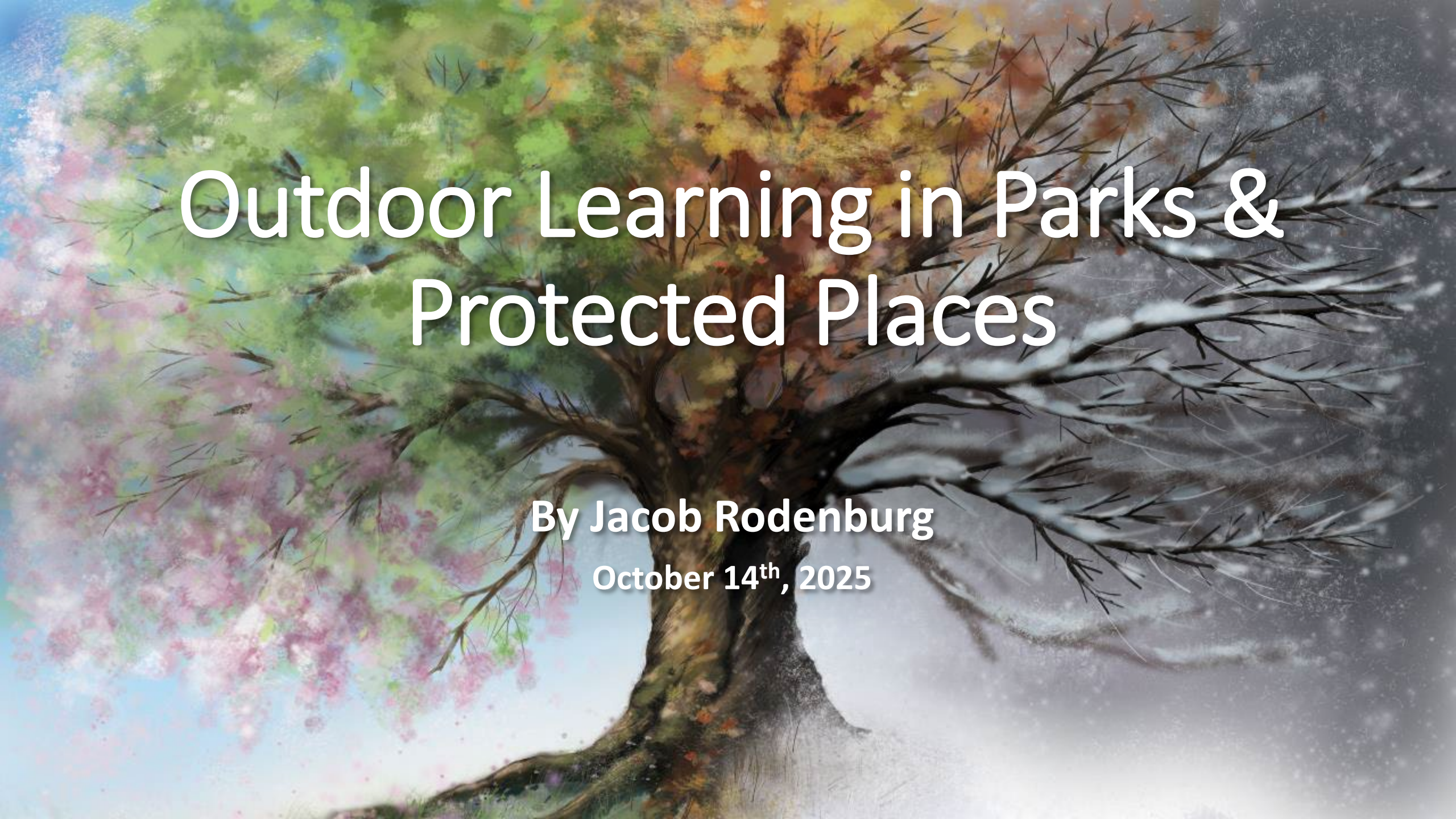


A painting of a large, gnarled tree with a thick trunk and many branches. The tree is covered in green leaves, yellow blossoms, and pink blossoms. The background is a dark, stormy sky with rain falling. The text "Outdoor Learning in Parks & Protected Places" is written in white, bold, sans-serif font across the middle of the image.

Outdoor Learning in Parks & Protected Places

By Jacob Rodenburg

October 14th, 2025



When we are in any relationship, it takes:

- Time
- Hard work
- Commitment
- Gratitude
- Mindfulness
- Empathy/compassion
- Reciprocity
- Others...?



Activities to encourage Nature Connection





Psithurism
Wind Songs

Sound Catchers





Cricket
Chirrup

Stridulation



Thermometer crickets



$$T = 50 + [(N - 40) / 4]$$

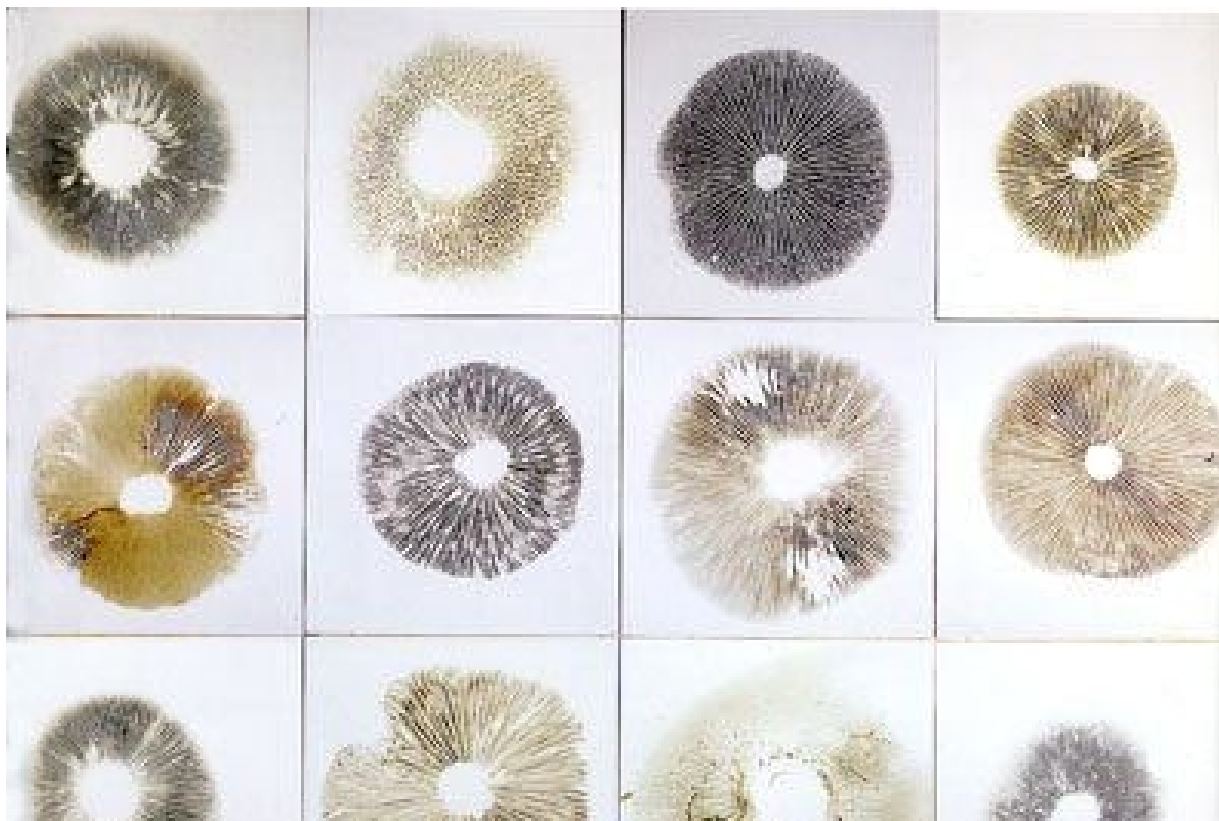
T = temperature

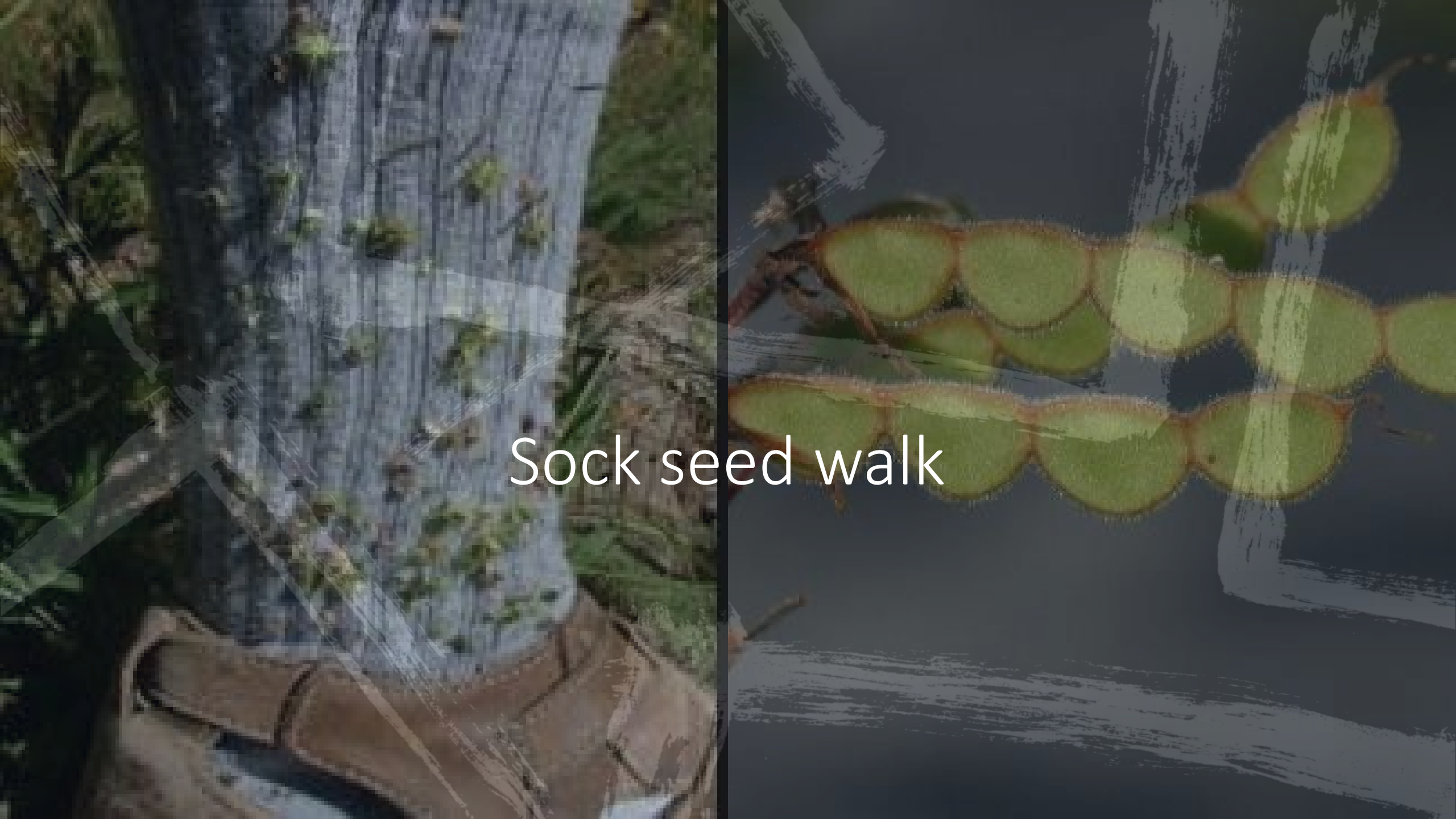
N = number of chirps per minute

Species	Equation
Field Cricket	$T = 50 + [(N - 40) / 4]$
Snowy Tree Cricket	$T = 50 + [(N - 92) / 4.7]$
Common True Katydid	$T = 60 + [(N - 19) / 3]$

For Snowy Tree Cricket Temperature in Celsius. Count the number of chirrups in 8 seconds, add 5.

Mushroom prints...



The image is a horizontal split. The left half shows a forest scene with a large, textured tree trunk in the foreground and green foliage in the background. The right half is a close-up of two rows of green, oval-shaped seed pods or fruits, possibly from a Mimosa plant, showing their segmented structure. The text "Sock seed walk" is centered across the middle of the image, overlapping both halves.

Sock seed walk

Recommended American Diabetes Association/American Dietetic Association dietary exchange: 1 Eggland's Best egg for 1 Medium Fat meat.

*The American Masters of Taste's judging panels are led by eminent American chefs. Their Superior Taste Gold Medal for eggs is awarded based on taste, appearance, yield and freshness.

Calcium 2%	Iron 4%
Vitamin E 30%	Thiamine 2%
Riboflavin 15%	Vitamin B-6 4%
Folate 8%	Vitamin B-12 10%

For Kosher questions: see www.oukashit.org
SAFE HANDLING INSTRUCTIONS:
TO PREVENT ILLNESS FROM BACTERIA, KEEP EGGS REFRIGERATED, COOK EGGS UNTIL YOLKS ARE PINK, AND COOK FOODS CONTAINING EGGS THOROUGHLY.

OAK



BLACK EYE SUSAN



FOUR O'CLOCK



AVOCADO



ZINNIA



SYCAMORE



CALENDULA



POPPY



SUNFLOWER



APPLE



OAK





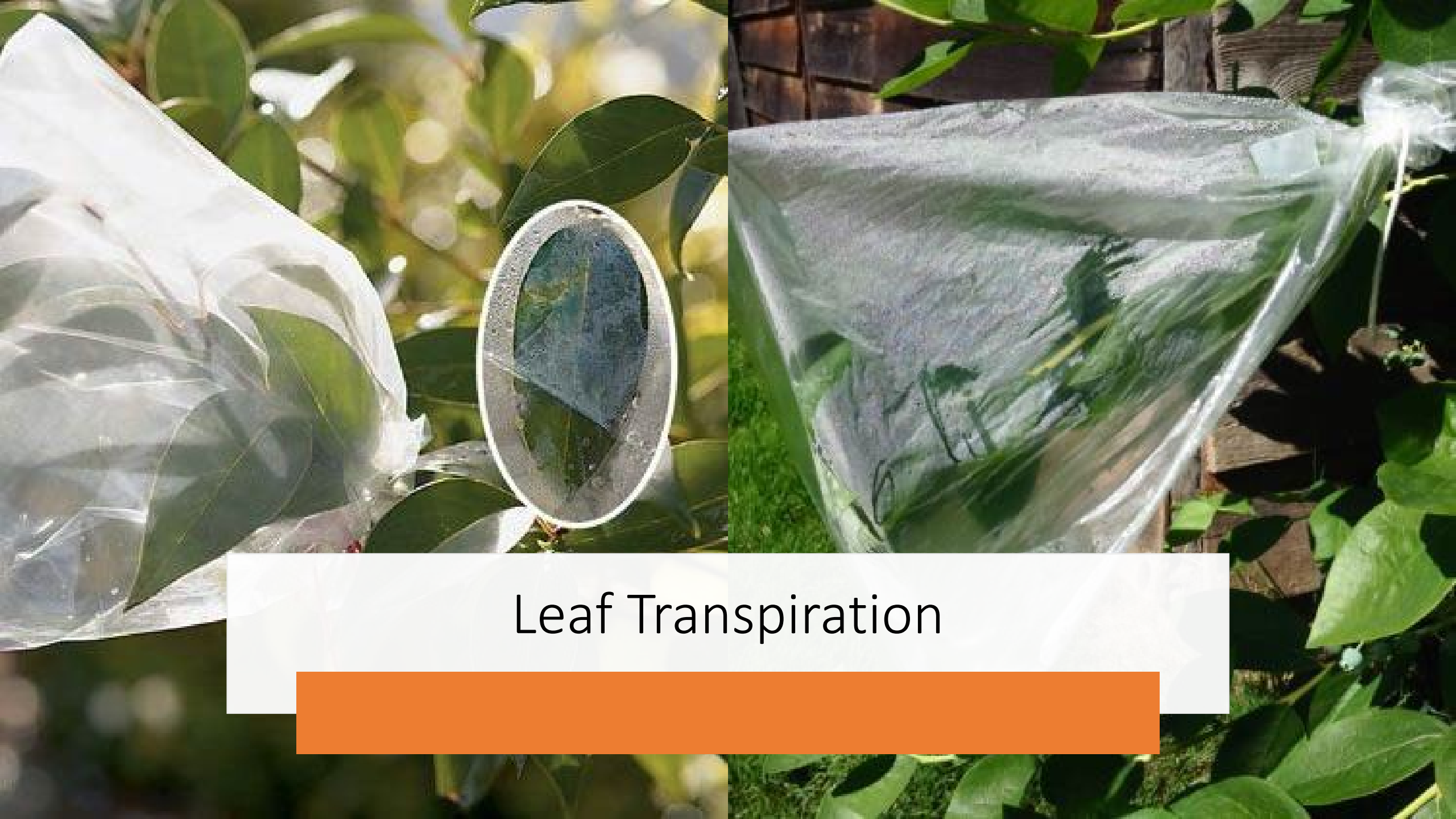
A dozen touches

Seed race





Stained Glass Windows



Leaf Transpiration



Tree Tag



Tree Faces



Nature Sculpting – Andy Goldsworthy



Think about...

Pattern, line, texture, colour, rhythm, form





Honorable Harvest



Know the ways of the ones who take care of you, so that you may take care of them.

Introduce yourself. Be accountable as the one who comes asking for life.

Ask permission before taking. Abide by the answer.

Never take the first. Never take the last.

Take only what you need.

Take only that which is given.

Never take more than half. Leave some for others.

Harvest in a way that minimizes harm.

Use the harvest respectfully. Never waste what you have taken.

Share.

Give thanks for what you have been given.

Give a gift, in reciprocity for what you have taken.

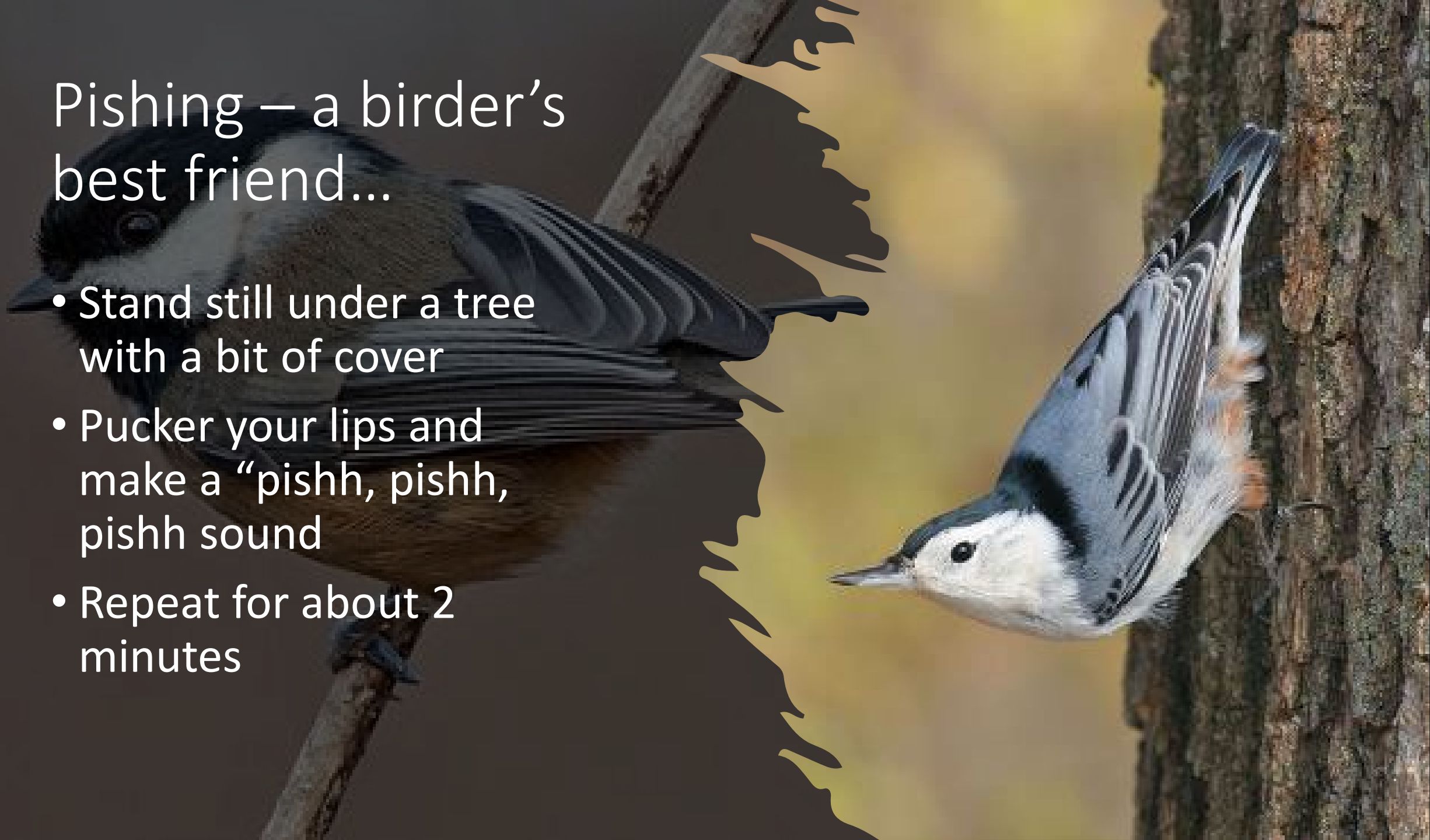
Sustain the ones who sustain you, and the earth will last forever.



Robin Wall Kimmerer -
Braiding Sweetgrass

Pishing – a birder's best friend...

- Stand still under a tree with a bit of cover
- Pucker your lips and make a “pishh, pishh, pishh” sound
- Repeat for about 2 minutes





Snow flake catcher

- Laminated black Bristol board
- Magnifiers
- -5 to -10 Celsius – no wind





www.snowcrystals.com

Sintering and snow sculptures...

- Pack snow into recycling bins
- Leave overnight
- Overturn and carve with spoons





Frozen mandalas

Clothes pin view



Credit: Jacob Rodenburg.



Heart Beat of a Tree



Nature weaving



Make a bird Nest

<https://www.youtube.com/watch?v=Em-HZKJNuvE>



Nature
Framed...



Cardboard
images

- Another way to frame nature...

Basement Windows



—

The hidden underworld...





Exploration
Dice

Micro-trails



A close-up photograph of several overlapping, dried, brownish-green leaves or plant fragments. The leaves have a textured, slightly wrinkled appearance. The background is a plain, light blue surface. The text "Digital Microscope" is overlaid in the center in a white, sans-serif font.

Digital Microscope

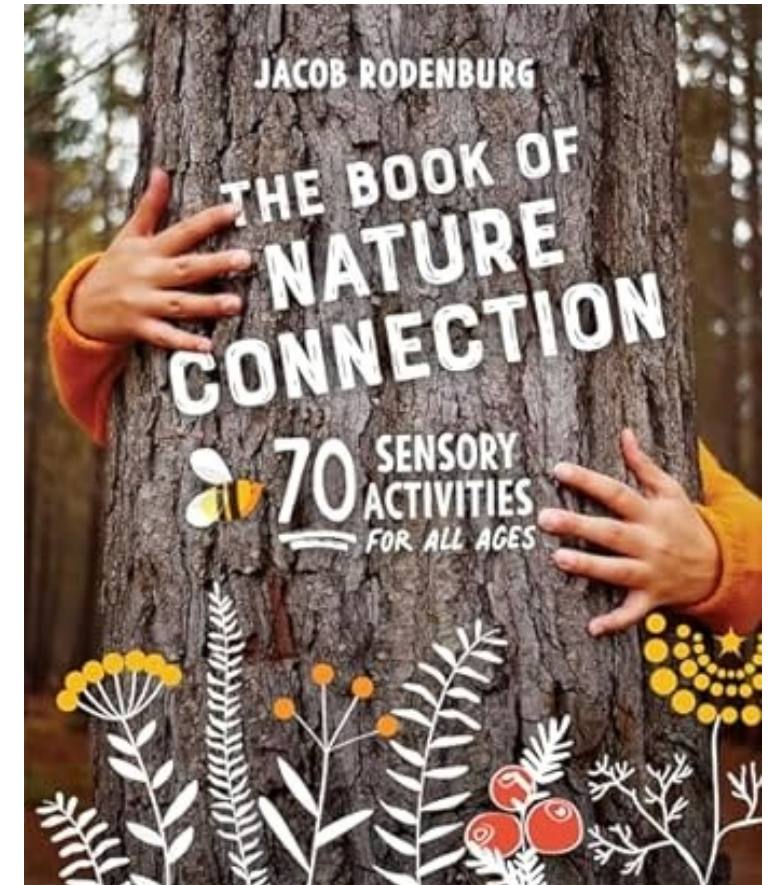
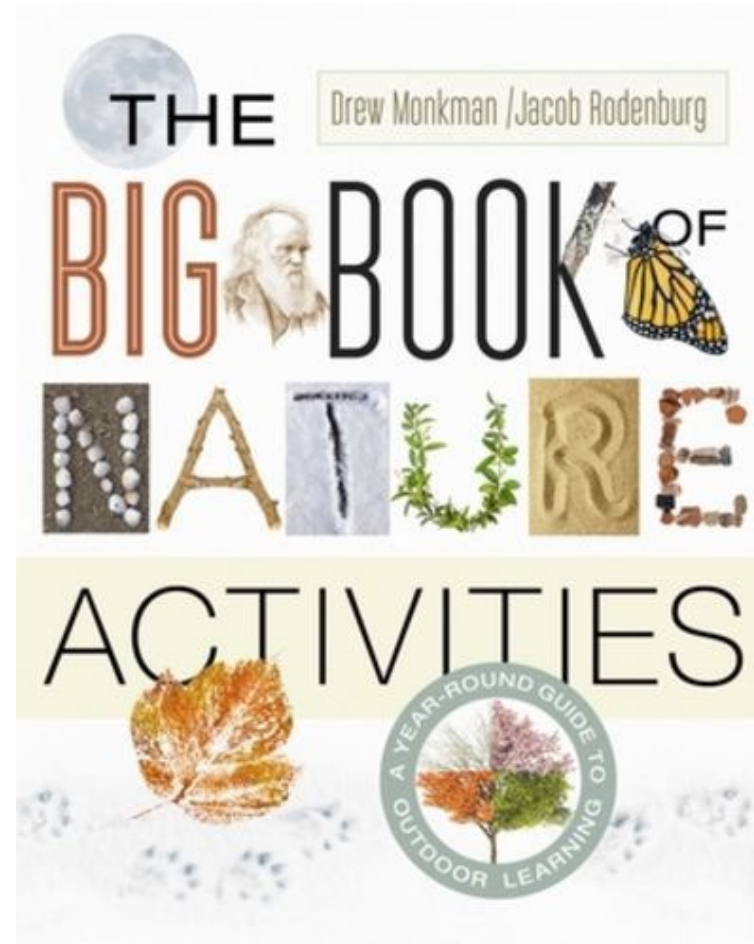
Other ideas:

Activate the
imagination through:

Fairy gardens,
Gnome Homes

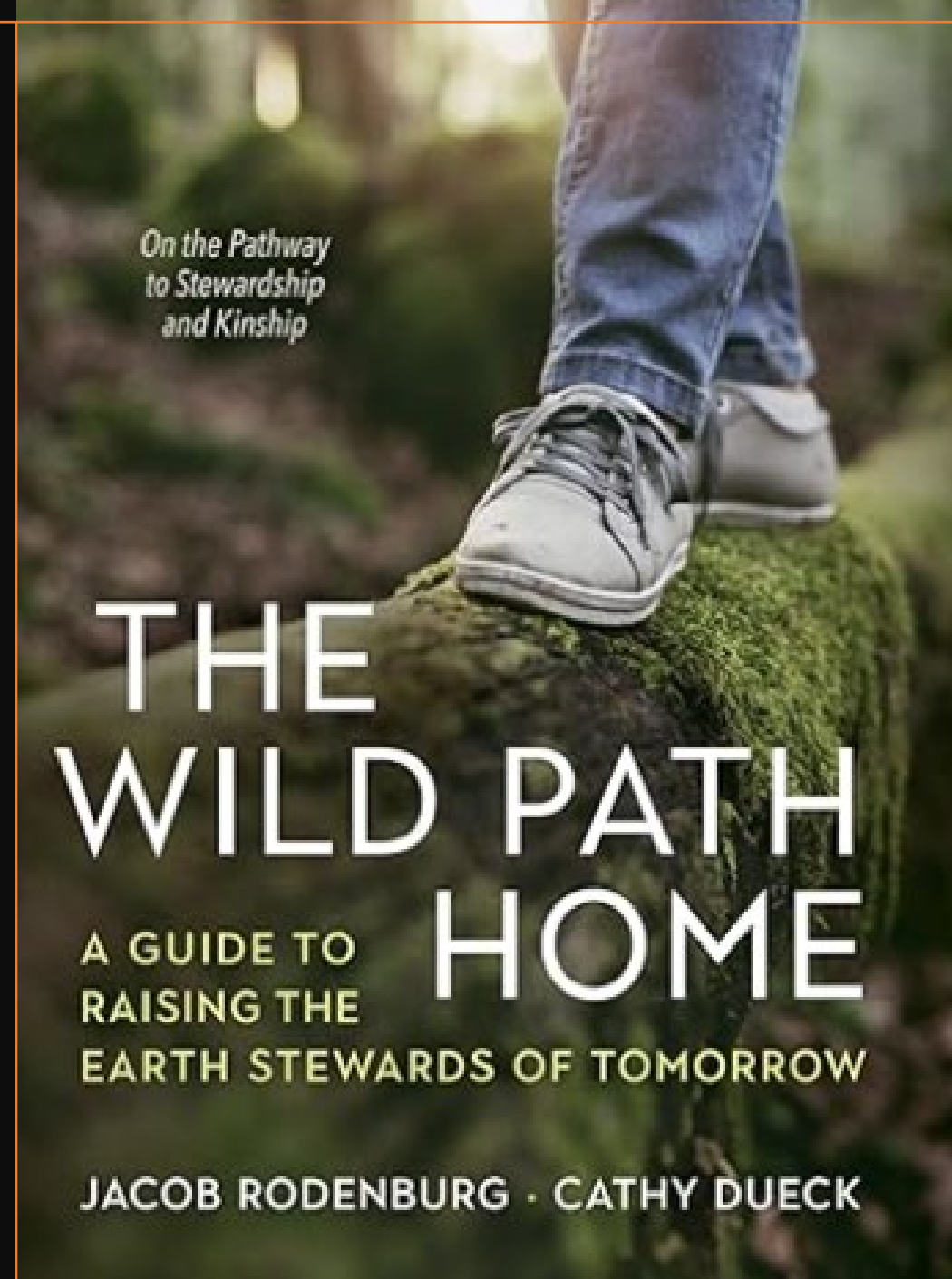


Many activities
and ideas come
from my two
books:



The Wild Path Home -

How communities can
work together to foster
and ethic of stewardship
through each age and
stage of a child's
development



*On the Pathway
to Stewardship
and Kinship*

THE WILD PATH HOME

A GUIDE TO
RAISING THE
EARTH STEWARDS OF TOMORROW

JACOB RODENBURG · CATHY DUECK