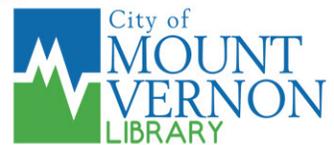




# SUMMER DISCOVERY

## WEEK 4: TREES & TRAILS



### Pine Needle Discovery Bottles

Ages: Pre-K+

<https://teachpreschool.org/2012/12/11/a-pine-needle-in-a-bottle/>

#### What you'll need:

1. Various Bottles with Lids (water bottles, juice bottles, glass bottles, etc.)
2. Pine Needle Branches
3. Hot Glue Gun
4. Glitter (optional)
5. Decorative Beads (optional)
6. Water

#### How to:

1. Start by adding one or more pine needle branches to the bottle.
2. Add any decorative items to the bottle if desired, but keep it minimal (glitter, beads, etc.)
3. Add water to the bottle, filling it almost to the top.
4. Add hot glue to the inside of the lids to attach to the bottle.

# SUMMER DISCOVERY

## WEEK 4: TREES & TRAILS



### Leaf Rubbings

All Ages

<https://www.wikihow.com/Make-a-Leaf-Rubbing>

#### What you'll need:

1. Crayons, Oil Pastels or Colored Pencils
2. Hard Surface
3. Leaves of various shapes and patterns (fresh or dry)
4. Paper (thin or lightweight preferred)

#### How to:

1. Collect some leaves
2. Place leaf on a hard surface
3. Put a white sheet of paper on the leaf
4. Rub a crayon, colored pencil, marker or oil pastel on its side and gently color the paper over the leaf.

### I Spy, ABCs

Ages: 2nd-5th Grade

#### What you'll need:

1. Paper
2. Pen
3. Camera (optional)

#### How to:

1. While on a trail, find a nature item for each letter of the alphabet.
2. Work your way through the alphabet.
3. Write down, draw, or take pictures of your objects (optional).

#### Challenge:

Try to not skip any letters and go in order from A through Z.



#### Other Ideas to Try:

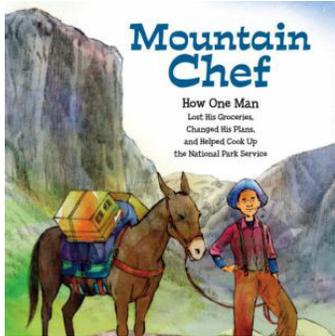
Twig Trivet: make a trivet/coaster with twigs from your yard or a local trail:

<https://lifestyle.howstuffworks.com/crafts/nature-crafts/tree-crafts-for-kids6.htm>

Nature Sensory Bag:

<https://handsonaswegrow.com/nature-sensory-bag-suncatcher/>

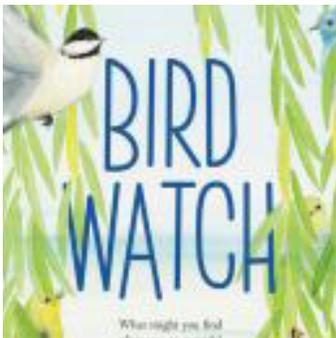
## Library Book Picks



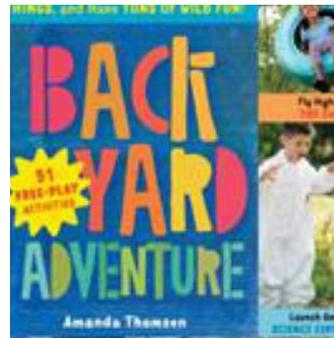
[Mountain Chef](#)  
by [Pimentel, Annette Bay](#)



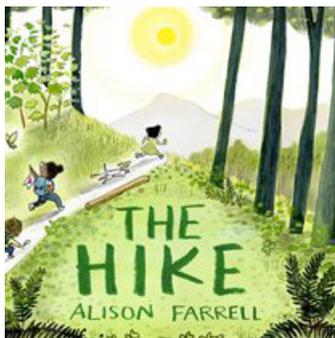
[ABCs in nature](#)  
by [Nunn, Daniel](#)



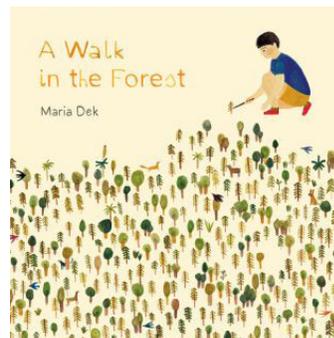
[Bird watch](#)  
by [Matheson, Christie](#) author,  
[illustrator](#)



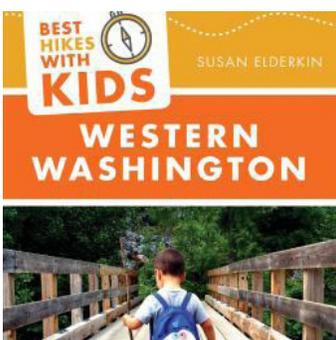
[Backyard adventure](#)  
by [Thomsen, Amanda](#)



[The Hike](#)  
by [Alison Farrell](#)



[A Walk in the Forest](#)  
by [Dek, Maria](#)



[Best hikes with kids : Western Washington](#)  
by [Elderkin, Susan](#)



[Kate, who tamed the wind](#)  
by [Scanlon, Elizabeth Garton](#)

# SUMMER DISCOVERY

## WEEK 4: TREES & TRAILS



### DIY Bird Feeder

All Ages

<https://www.mileskelly.net/blogs/blog/18855651-go-green-week-how-to-make-a-bird-feeder-and-bug-hotel>

#### What you'll need:

1. Plastic drinks bottle
2. String
3. Bird feed (or even fruit and nesting materials)
4. Scissors
5. Optional: decorations

#### How to:

1. Clean the bottle.
  2. Make a few small holes in the bottom of your feeder to allow rainwater to drain away.
  3. Cut a large hole in the side of the bottle to allow a free flow of seeds, but make sure it isn't too big as the wind may cause it to blow out.
  4. Cut the right length of string so it will be able to hang freely from a tree. Tie this piece of string to the neck of the bottle.
  5. Fill the bird feeder
  6. Finally hang it on a tree, and watch the birds enjoy!
- Optional: decorate with paint or washy tape

### Rainbow Walk

All Ages

#### Find Colorful Items in Nature

<https://highlandsranch.macaronikid.com/articles/58258002dafd90553099ed3a/try-a-rainbow-walk-or-a-game-of-nature-bingo>

#### What you'll need:

1. Camera
2. Paper
3. Pen (or crayons)

#### How to:

1. Find something in nature of every color in the rainbow.
2. Write down or draw pictures of the items you discover.



### Bedtime Math

Switching it Up

<http://bedtimemath.org/fun-math-beacon-rock/>

