

# LCCC Arboretum Connected Curriculum SCHOOL AGE

Compiled by Student Bryanna Broadhead  
Spring 2022

# TABLE OF CONTENTS



01

## RESEARCH

Here you can describe the topic of the section

02

## LESSONS

Here you can describe the topic of the section

03

## CULMINATION

Here you can describe the topic of the section

04

## MATERIALS

Here you can describe the topic of the section

01

# Research

Planning research and resources





# Additional Field Trips

The following includes a collection of field trips and supplemental locations for students to visit to enhance and further their learning about native Pennsylvania trees, wildlife and nature.

# Treehouse World

This is an experience like no other. Children will get a chance to see a variety of unique handmade treehouses in nature. This unique outdoor facility offers different themed tree houses for the children to play in and explore further. In addition to the tree houses, they offer a variety of fun outdoor activities for children of all ages. On this field trip children will learn about how tree houses are made and information about various trees.

## **Address**

1442 Phoenixville Pike,  
West Chester, PA 19380

## **Phone Number**

484-392-7853

## **Email**

[office@treehouseworld.com](mailto:office@treehouseworld.com)

# Topic Experts

The following experts are valuable resources to support student learning of interest areas related to the Lehigh Carbon Community College Arboretum



# Thomas J Yuracka

Mr. Yuracka is the president of the West Park Civic Association in Allentown PA. As president of this association he is the head of the board and oversees any major decisions in regards to the West Park. The West Park is an arboretum that houses 78 different types of trees. Mr. Yuracka will come to talk about the different types of trees and what they do to care for them. He will also discuss the importance of taking care of our trees and the environment.

## **Phone Number**

610-435-8850

## **Email**

westpark.ca@verizon.net

# WEBSITES

The following slides are a compilation of valuable web resources for students and teachers when planning for school age exploration on Pennsylvania tree and nature content.





# List of Websites for Students

- [Interesting Cherry Tree Facts](#)
- [Softschools Black Cherry Tree Facts](#)
- [Cherry Fruit Information and Facts](#)
- [Cherrywood Meaning and Usage](#)
- [How To Plant & Care For Cherry Trees](#)
- [Cherry Tree Hardwood](#)

# List of Websites for Teachers

- [Forestry & Natural Resources Activities](#)
- [Tree Education Learning Site](#)
- [Tree Learning Activities](#)
- [Tree Child Initiated Learning Activities](#)
- [Spring Learning About Trees & Wildlife](#)
- [Tree Rooted Activities](#)
- [Tree Themed Activities for All Ages](#)




**WHOA!**

This can be the part of the presentation where you introduce yourself, write your email...

## BOOK LISTS

To support the inclusion of literacy and books in the classroom, the following slides will provide a variety of fiction and non-fiction books related to the Arboretum, Pennsylvania nature and wildlife





# Non-Fiction Book List

# Tree, Leaves and Bark

Diane Burns

This book introduces children to various kinds of different trees in the environment.

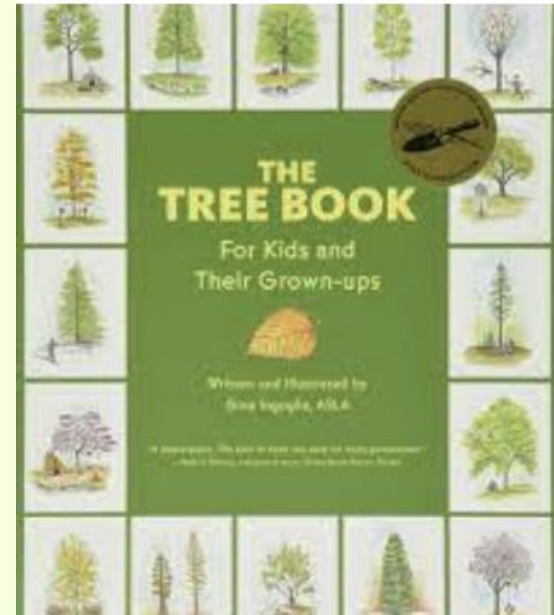
It provides children with a guide for identifying different types of trees and what makes them different. It introduces tree terminology and the defining characteristics of each tree. Children can take these book with them on their journey of identifying trees.



# The Tree Book

Gina Ingoglia

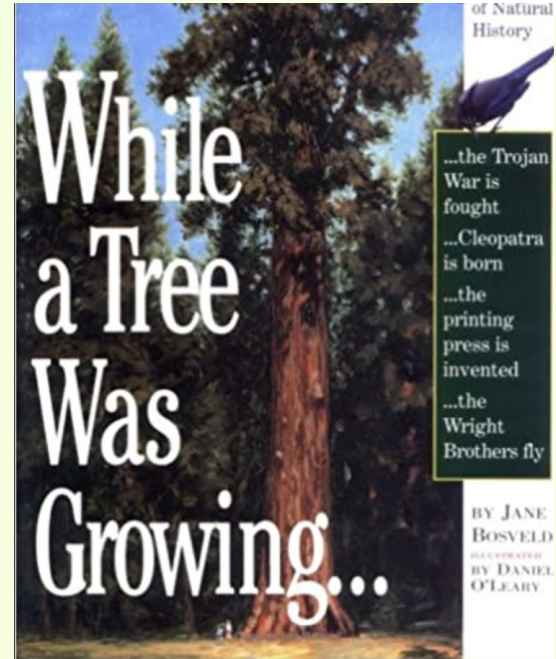
This book provides children with an abundance of information regarding trees, wildlife, and so much more. This book features 33 different trees that grow throughout North America. Children can learn about how trees grow, what kind of trees they are viewing, and even view how trees look in different seasons.



# While a Tree Was Growing

Jane Bosveld

This book tells the story of the oldest living sequoia tree whose life span ranges back to the trojan war. This book educates children on how the tree has lived as long as it has and what contributed to that. The author also provides readers with a timeline of the tree's life and what historical events have occurred as it has lived.





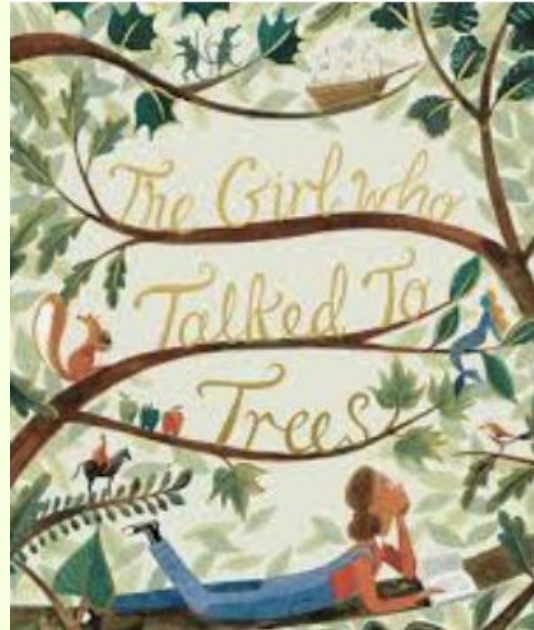
# Fiction Book List



# The Girl Who Talked To Trees

Natasha Farrant

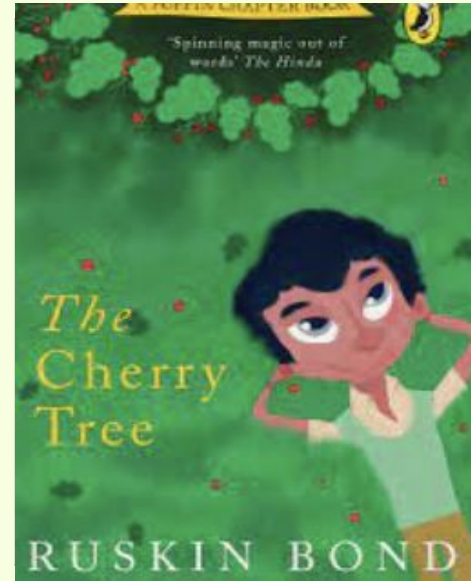
This story is about a girl named Olive whose best friend is an oak tree. The tree is in great danger. Olive promises that she will listen to all the stories that the tree has to tell. As she tumbles into the trees magical world she listens to various stories about various tales.



# The Cherry Tree

Ruskin Bond

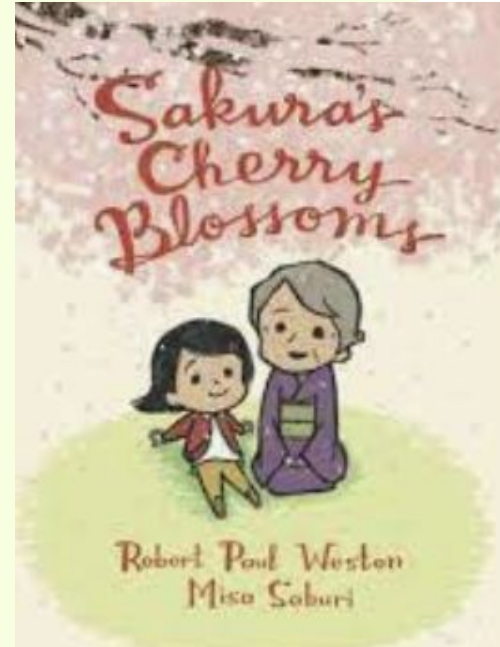
This story is about a young boy named Rakesh who plants a cherry seed in his garden. As the seasons go by the boy watches his seedling grow. The cherry tree endures and survives through heavy storms and even the grass cutter. After watching his tree grow he is finally awarded with a cherry fruit on his 9th birthday.



# Sakura's Cherry Blossom

Robert Weston

Sakura is a young girl whose father gets a new job in America. Her as well as her family are tasked with moving from their home in Japan to America. What she misses most about Japan is her grandmother and the cherry blossom trees. Through the story Sakura goes through challenges, meets new friends, and appreciates the beauty of the cherry blossom trees.



# VIDEOS

The following videos are suitable for student and classroom viewing



# List of Online Videos for Students

- [How Can We Identify A Cherry Tree?](#)
- [Cherry Tree Characteristics](#)
- [How Can We Plant A Cherry Tree?](#)
- [The Cherry Tree Read Aloud & Video](#)
- [Cherry Blossom Festival](#)
- [Little George & The Cherry Tree](#)



02

# Lessons

Ideas and Instructions

# Cherry Tree Math Game

[Pinterest Lesson Link](#)

## Materials:

- Pom Pom Balls
- Dice
- Cherry Tree Laminated Sheets
- Piece of Paper



## PA Learning Standard

2.2 K.A.1 Extend the concepts of putting together and taking apart to add and subtract

## Vocabulary

Cherries, Cherry Tree, Addition, Subtraction

## Objective

Children will be able to recognize, depict different number, and demonstrate adding and subtracting.

Children will be given a Cherry Tree Math game sheet, a dice, and a cup filled with red/pink pom pom balls. They will begin by rolling the dice and then start placing that number of pom poms (Cherries) on the tree. They will then roll the dice again and add that number to their tree. To finish they will count to see how many cherries they have in total and write down the math fact they created.

# How Old Is This Tree?

## Materials:

- Measuring Tape
- Paper
- Pencil



## PA Learning Standard

3.1 K.A.9 Participate in investigations about living and nonliving things to answer a question or test a prediction.

## Vocabulary

Trunk, Bark, Hardwood

## Objective

Children will understand the characteristics of trees and understand their life span.

The children will be provided with all the materials shown above. They will be tasked with measuring the circumference of a tree of choice with the measuring tape. They will note the number they have obtained and give it to their teacher. The teacher will then find the diameter for them and give them an additional number. The teacher will then help them find out how old their tree is. There will be a chart that the children can write down exactly how old their tree was so everyone can compare. This can also be done by looking at tree stumps and viewing the lines on the inside of a tree.



# Notan Tree Paintings

[Pinterest Lesson Link](#)

## Materials:

- Rectangular Pieces of White paper
- Paint
- Paint Brushes
- Black Construction Paper
- Scissors
- Pencil
- Glue

## PA Learning Standard

9.1.V K.B Combine a variety of materials to create a work of art.

## Vocabulary

Tree, Shadow, Branches, Trunk, roots

## Objective

Children will understand how to draw and create the body of a tree.

Children will be able to create art based around trees.



Provide each child with a blank piece of white paper and a smaller sheet of black paper. Also provide children with painting supplies. Have them paint their papers in whatever manner they would like. Once they have completed the painting portion, have them sketch and cut out a tree on the black piece of paper. After everything has dried, glue the black piece of paper on the bottom and the tree cut out directly above it.

# Sweet Cherry and Banana Muffin Baking

[Pinterest Recipe Link](#)

## Ingredients:

- 3 Bananas (mashed)
- 1/4 cup of Coconut Oil
- 2/3 cup of Milk
- 1 Egg
- 1 1/2 cup Coconut Sugar
- 1 tsp Baking Soda
- 1 tsp Cinnamon
- 1 tsp Salt
- 1 cup of Sweet Cherries

## Instructions:

1. Preheat oven to 350F
2. Spray Muffin Tin with nonstick cooking spray
3. Combine bananas, coconut oil, milk and egg till smooth
4. Add in whole wheat flour, coconut sugar, baking soda, cinnamon, and salt
5. Pit and fold in cherries to mixture
6. Add mixture into muffin tin
7. Bake for 20-25 minutes

## PA Learning Standard

10.1 K.C Identify foods that keep our bodies healthy. Ingredients:

## Vocabulary

Cherries, Sweet Cherry Tree, Fruit

## Objective

Children will recognize healthy and nutritious foods

Children will identify different cherries and recognize fruit bearing trees



# Leaf Sorting Activity

## PA Learning Standard

2.3 K.A.4 Classify objects and count the number of objects in each category.

## Materials:

- Plastic Bins
- Leaf Images

## Vocabulary

Leaf, Stem

## Objective

Children will be able to recognize different types of leaves and their different characteristics.

Piece of paper or bins will be made accessible for the children to put collected leaves in. Each bin/paper will either have a specific color or a specific leaf shape. The children will be tasked with searching for each one of these leaves in the environment and sorting them accordingly. This teaches children about the different types of leaves and the defining factors of each one.



# Tree Rubbing Activity

## Activity Link

### Materials:

- Long rectangular piece of white paper
- colored crayons



**Standard:** 9.1.V K.A Know and use basic elements of visual arts.

**Vocabulary:** Bark, Branch, Heartwood

**Objectives:** Children will be able to recognize the different characteristics of trees and the characteristics of tree bark.

**Instructions:** Each child will receive one long rectangular piece of white paper and be provided with crayons. They will bring their paper outside and wrap it along a tree. They will hold the paper against the tree and start rubbing the crayon over the piece of paper. As they do this the crayon will begin to show the tree bark lines on the paper.




03

# Culmination Activities

Ideas, resources and instructions for closure  
on an Arboretum inspired unit of study

# Culminating The Unit

Once the Cherry Tree Unit has been completed and the children no longer seem interested in the information I would take steps to celebrate all they have learned. I would hold a night where parents can come in and see all the hard work that the children have done. I would decorate the room with their art work, pictures of them participating, and any interesting creations. I would display a slideshow with any pictures or videos that I have taken throughout the unit. I would also have the children write about what they enjoyed about the unit and what they didn't. During this showcase night I would also introduce the plant a tree challenge to the families. This challenge tasks each family with planting and caring for their own tree. Each child will receive their own personal tree that they get to plant and apply what they have learned about. I would also show to the families the tree that we planted at the center and how we plan to plant a new one each year. I think this a good way to showcase what the children have learned while also starting a new tradition.



**This presentation was made by Lehigh  
Carbon Community College, ECE 210  
Students to serve as a resource to school  
age professionals researching units on  
native Pennsylvania trees and for those  
looking for connecting education activities  
for school agers in conjunction with a visit  
to the LCCC Arboretum!**

**ENJOY!**