



Crystal Springs Live!





Thank you for choosing Crystal Springs LIVE!

Crystal Springs Preserve and WaterVentures Florida's Learning Lab are committed to bringing quality environmental education programs to teachers and parents. Our programs are aligned with NGSSS and SNF standards to align with topics taught in classrooms. Each program has been created with the student in mind and conveys important environmental topics in a fun and engaging manner. Additionally, supplemental activities, vocabulary lists, pre/post tests and more are offered to provide an all-encompassing program for students in and out of the classroom.

For those of you unfamiliar with Crystal Springs or WaterVentures, we invite you to explore our websites. (www.crystalspringsfoundation.org and www.waterventures.us). Crystal Springs Preserve is a 530-acre living laboratory that is dedicated to bringing directed learning opportunities to visitors through immersion into the pristine habitat of the preserve. WaterVentures was created to extend this learning throughout the state of Florida. As a high-tech mobile learning lab, WaterVentures brings those same fun and engaging environmental programs to schools free of charge. Both are devoted to inspiring guests to be responsible environmental stewards of Florida's precious natural resources.

We hope you enjoy our virtual programs and please do not forget to check out the offerings of Crystal Springs Preserve and WaterVentures!

Happy learning!

Come Meet A Tree- Part 2 Pre/Post Test

- 1) A longleaf pine tree is a tree that has _____.
 - a. Really long needle-like leaves
 - b. Huge pinecones
 - c. Very tall trunk
 - d. All of the above
- 2) The indigo snake is an endangered snake because people have chopped down its habitat of longleaf pines.
 - a. True
 - b. False
- 3) The endangered red cockaded woodpecker likes to build its nest _____.
 - a. In a pinecone
 - b. In the tree trunk of an 80 year old longleaf pine
 - c. Under the ground near a longleaf pine tree
- 4) The sticky fluid that seeps out of a longleaf pine trees' bark is called what?
 - a. Glue
 - b. Sticky tree stuff
 - c. Sap
 - d. Oil
- 5) All pinecones that are woody and found on the ground are _____.
 - a. Males
 - b. Females
- 6) What is the measuring tool called that arborists use to measure how wide a tree is?
 - a. Ruler
 - b. Caliper
 - c. Telescope
 - d. None of the above
- 7) An area of land that is high up and away from water is called _____.
 - a. Wetland
 - b. Upland
 - c. Lowland

- 8) A longleaf pine has a very long root that looks like the shape of a carrot. What is it called?
- a. Long root
 - b. Skinny root
 - c. Tap root
 - d. Silly root
- 9) The natural home or environment of an animal, plant, or organism is called a _____.
- a. Habitat
 - b. Home sweet home
 - c. The woods
 - d. Nature
- 10) The part of the tree that the branches and leaves make together to form a shape is called _____.
- a. The shape
 - b. The tree top
 - c. The crown



Come Meet A Tree – Part 2 Pre/Post Test Answer Key

1. D
2. A
3. B
4. C
5. B
6. B
7. B
8. C
9. A
10. C

PRE/POST EXHIBIT DATA SUBMISSION FORM

Date of Program	
School name	
Teacher name	
Number of students taking the Pre-test and Number taking Post-test	
Pre-test average percentage *	
Post-test average percentage *	

*Scoring all tests, adding up all scores, and dividing by the number of students that took the test will obtain an average percentage.

Come Meet A Tree- Part 2 Vocabulary Words

Caliper - A tool used to measure the width (from side to side) of a tree.

Crown - A part of the tree that is formed by the branches and leaves to give the tree its shape.

Habitat - the natural home or environment of an animal, plant or other organism. (*Oxford Dictionary*)

Indigo Snake - A glossy purplish black snake native to Florida that loves to live near longleaf pine trees. This snake is non venomous and listed as a “threatened” species because much of its habitat, of longleaf pines, has been cut down.

Leaves - The green structures on plants that produce oxygen.

Longleaf Pine Tree - A pine tree native to Florida that has very long needles for leaves and generates huge pinecones.

Red-cockaded Woodpecker - A woodpecker native to Florida that loves to make its nest in the old trees of longleaf pines. They are listed as “endangered” because so many old longleaf pines have been cut down and harvested.

Roots - The part of the tree that anchors the tree and allows the tree to drink water and receive minerals from the ground.

Sap - The sugary fluid that pine trees produce, contained inside the trunk of a tree. Pinecone - The conical or rounded woody fruit of a pine tree, with scales which open to release the seeds. (*Oxford Dictionary*)

Taproot - A large type of root that goes straight down deep into the ground.

Trunk - The large, strong, woody part of the tree that lets the food and water run up and down inside it and has bark on the outside.

Upland - An area of land that is higher up from a wetland or from sea level.



Come Meet A Tree – Part 2 Standards

SC.K.L.14.3

SC.K.N.1.5

SC.1.L.14.2

SC.1.L.17.1

SC.2.L.17.2

SC.3.L.14.1

SC.3.L.14.2

SC.4.L.17.4

Come Meet A Tree – Part 2 Supplemental Activities- Word Search

NAME: _____
Created with TheTeachersCorner.net Word Search Maker



COME MEET A TREE LONGLEAF PINE

FIND THE WORDS AND CIRCLE THEM.



LONG LEAF
PINE
SAP
UPLAND
ARBORIST

INDIGO SNAKE WOODPECKER
PINECONE CALIPER
TAPROOT HABITAT

Come Meet A Tree- Part 2 Supplemental Activities- Word Search- Answer Sheet

NAME: _____
Created with TheTeachersCorner.net Word Search Maker



COME MEET A TREE LONLEAF PINE

FIND THE WORDS AND CIRCLE THEM.



LONG LEAF
PINE
SAP
UPLAND
ARBORIST

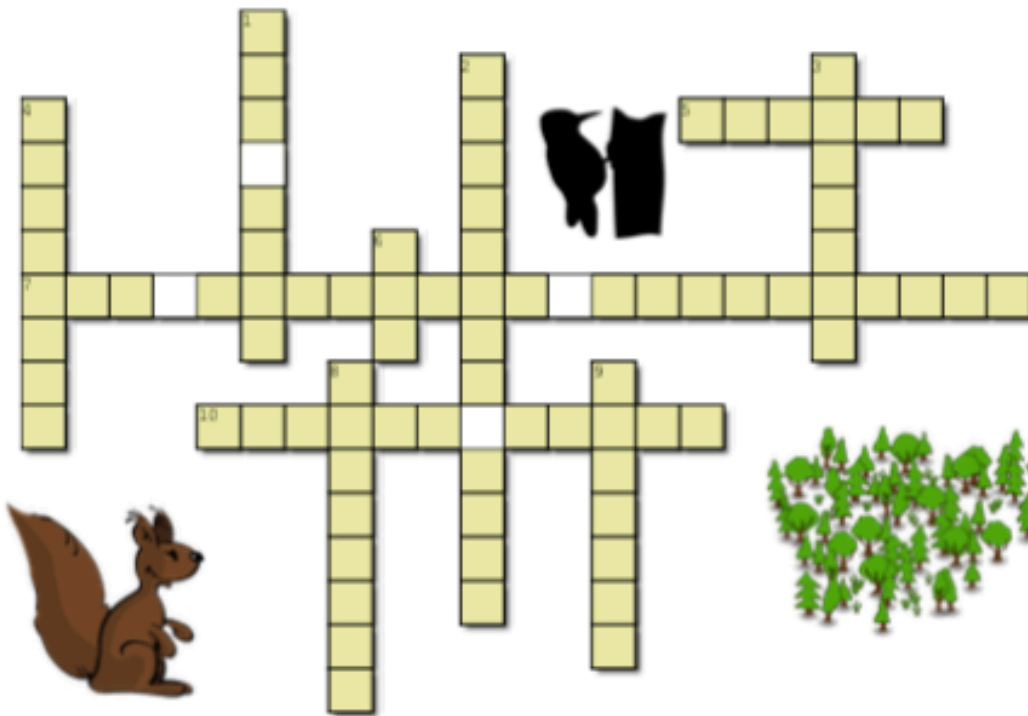
INDIGO SNAKE WOODPECKER
PINECONE CALIPER
TAPROOT HABITAT

Come Meet A Tree- Part 2 Supplemental Activities- Cross Word

NAME: _____

COME MEET A TREE - LONGLEAF PINE

COMPLETE THE PUZZLE.



Created using the Crossword Maker on TheTeachersCorner.net

- CALIPER UPLAND INDIGO SNAKE RED COCKADED WOODPECKER PINECONE TAP ROOT
HABITAT LONGLEAF PINE ARBORIST SAP

Across

- 5. An area of land that is high up and away from water.
- 7. An endangered bird that likes to make its nest in longleaf pines.
- 10. An endangered snake that likes to live where longleaf pine trees grow.

Down

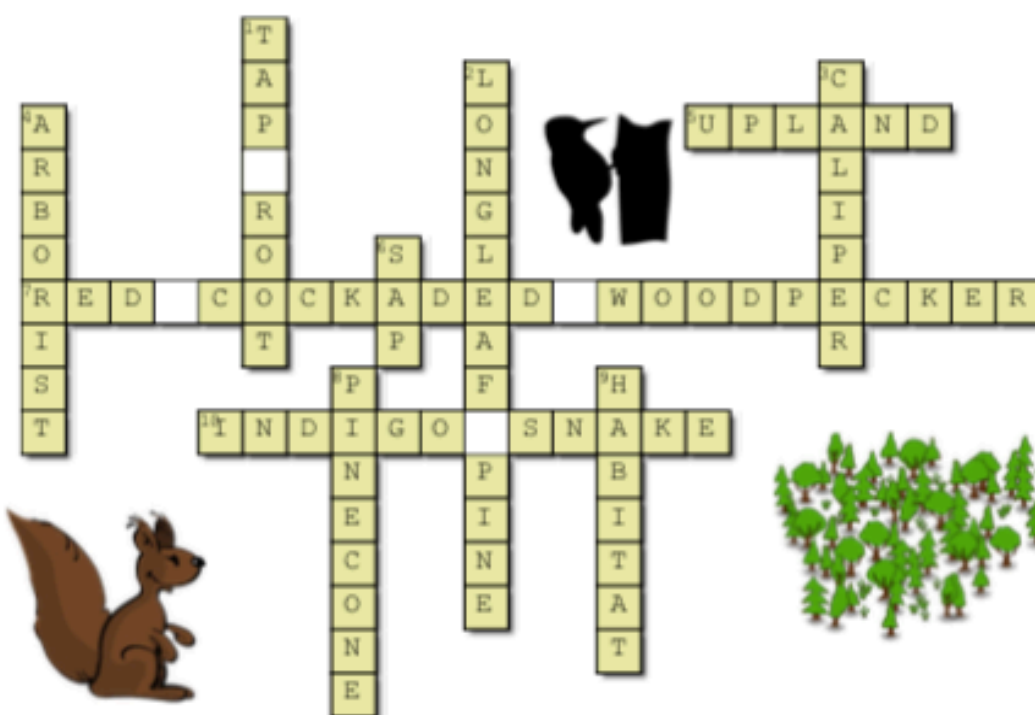
- 1. A large root shaped like a carrot that is attached to a Longleaf pine tree.
- 2. A pine tree that lives in Florida and has long needles and large pinecones.
- 3. A measuring tool arborists use to measure trees.
- 4. A person who studies and works with trees.
- 6. The sticky fluid that longleaf pines produce and it runs down its bark.
- 8. The woody fruit of a pine tree that releases seeds.
- 9. The natural home of an animal or plant.

Come Meet A Tree- Part 2 Supplemental Activities- Cross Word Answer Sheet

NAME: _____

COME MEET A TREE - LONGLEAF PINE

COMPLETE THE PUZZLE.



Created using the Crossword Maker on TheTeachersCorner.net

CALIPER UPLAND INDIGO SNAKE RED COCKADED WOODPECKER PINECONE TAP ROOT

HABITAT LONGLEAF PINE ARBORIST SAP

Across

- 5. An area of land that is high up and away from water. (**upland**)
- 7. An endangered bird that likes to make its nest in longleaf pines. (**red cockaded woodpecker**)
- 10. An endangered snake that likes to live where longleaf pine trees grow. (**indigo snake**)

Down

- 1. A large root shaped like a carrot that is attached to a Longleaf pine tree. (**tap root**)
- 2. A pine tree that lives in Florida and has long needles and large pinecones. (**longleaf pine**)
- 3. A measuring tool arborists use to measure trees. (**caliper**)
- 4. A person who studies and works with trees. (**arborist**)
- 6. The sticky fluid that longleaf pines produce and it runs down its bark. (**sap**)
- 8. The woody fruit of a pine tree that releases seeds. (**pinecone**)
- 9. The natural home of an animal or plant. (**habitat**)



Come Meet A Tree- Part 2 Supplemental Websites/Videos

Arbor Day Foundation, 2020

"Benefits of Trees"

<https://www.arboday.org/kids/benefits-of-trees/>

Arbor Day Foundation, 2020

"Trees Around the World"

<https://www.arboday.org/kids/trees-around-the-world/>

Arbor Day Foundation, 2020

"Junior Arborist"

<https://www.arboday.org/kids/jr-arborist/>

Arbor Day Foundation, 2020

"Life of a Tree"

<https://www.arboday.org/kids/life-of-a-tree/>

Arbor Day Foundation, 2020

"Photosynthesis"

<https://www.arboday.org/kids/photosynthesis/>

National Wildlife Federation, 2001

"Tree Detectives"

https://www.nwf.org/~media/PDFs/Be Out There/Schoolyard Habitats/tree_detectives.aspx

SciShow Kids, 2018

"Life as a Tree"

<https://www.youtube.com/watch?v=MwNJC-IRgPE>

National Wildlife Federation, 2020

"Longleaf Pine"

<https://www.nwf.org/Educational-Resources/Wildlife-Guide/Plants-and-Fungi/Longleaf-Pine>