



HUMANITIES AND THE SUNSHINE STATE

TEACHING FLORIDA'S CLIMATES
In partnership with the Florida Humanities Council

JUNE 15-29, 2018 UNIVERSITY OF FLORIDA

ACTION PLAN TEMPLATE

Teacher(s): T. Opalek/ G. Piñero-Amaro/ L. Buquet/ A. Cook/ L. / Katy

Grade(s): Elementary levels

Subject(s): Science/ Reading

Title of Lesson: Effect of Climate Change of Trees

Learning Objectives:

- to compare the natural life cycles of the tree
- what happens to the tree under climate changes condition

Standards Addressed (if applicable):

-lifecycles standards for kinder through fifth grade

(For example: SC.3.N.1.6 Infer based on observation)

SC.3.L.14.2 Plants response to simulate (heat, light, gravity, interdependence)

Lesson Outline:

- talk about trees
 - open discussions
 - show pictures of the different parts of the tree life cycle
- read the book: The Grand Old Tree, by Mary DePalm and The Great Kapok Tree

Learning Strategies:

- flow chart
- paper slider through flig grid, using computers

Science Concept(s):

- access prior knowledge
- life cycles
- chart of the tree (text features)
- discussion on greening (orange disease)

Humanities Concept(s):

- our responsibilities as citizens being part of the environment
- global citizenship of junior scientists
- hope/future (find a biography)

Technique(s)/Resource(s) Incorporated from Teaching Florida's Climates Workshop:

- a variable of the Venn Diagram
- snapchat (with 3x5 card)- (from science fiction presentation)

Student Assessment Strategies:

- final video showing pictures/drawings/sentences about the effect of the climate change in a tree
- students will draw a diagram of a tree's life cycle from seed to reproduction
- service learning project (short version)
- picture of a tree before/after

Benefit to my students:

- to show to others how to take good care of a tree in their houses (becoming caretakers)
- start a conversation with others/share their knowledge

Resources and Materials (supplies needed for activities):

-chrome books

-Books The Grand Old Tree, Kapok Tree

-paper

-markers

-3x5 index cards

-preprinted Venn Diagram and flow charts



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“TAKING IT BACK TO THE CLASSROOM”

We know that it's not always possible to develop and implement a brand new lesson plan in a busy curriculum. How do you envision incorporating our experiences in your classroom teaching?

Idea 1

The effect of climate change on trees

Learning Goals/Standards

- To compare the natural life cycle of the tree
- What happens to the tree under climate change conditions

Idea 2

-Experience through a book the “feelings” of a tree

Learning Goals/Standards

- Read “The Great Kapok Tree” and ask questions about what feels the main character comparing to the tree's feeling

Idea 3

Learning Goals/Standards

Idea 4

Learning Goals/Standards

Idea 5

Learning Goals/Standards

Idea 6

Learning Goals/Standards

What additional resources do you need in order to act on these ideas?