

In Class Lesson Plan-Life Cycle of Trees

Massachusetts Frameworks covered in lesson:

- *L.S.GR.PK-2#3 Recognize that plants and animals have life cycles, and that life cycles vary for different living things.*
- *K-2: 1.1 Demonstrate beginning steps in using available hardware and applications (e.g., turn on a computer, launch a program, use a pointing device such as a mouse).*

Objectives with measurable verbs:

- *Students will identify the four life cycle stages of a growing tree and correctly put them in order.*
- *Students will demonstrate that living things change as they grow.*

Assessments that measure mastery of objectives:

- *second k-w chart*
- *Brain Pop Jr. online (or paper) quiz*
- *paper graphic organizer: Tree Life Cycle*
- *Rubric: Life Cycle of Trees*

Agenda for each lesson

- *Introduce the lesson: display large picture of a tree hanging, or a prop (fake tree) and build background knowledge: Together work on K-W chart-Life Cycle of Trees : Students may take turns moving the pictures after demonstration of steps needed to use the computer.*
- *Read book: [A tree in a Forest](#)*
- *Short informational movie: [Brain Pop Jr.](#), Plant Life Cycle*
- *Group (or copied for individual) online assessment: Brain Pop Jr., Plant Life Cycle easy quiz*
- *Group (or copied for individual) online assessment: Brain Pop Jr., Plant Life Cycle hard quiz*
- *Group - check for understanding: graphic organizer - Tree Life Cycle*
- *Hand out paper copies of K-W chart - Life Cycle of Trees.*
- *Review - students work in pairs to fill out.*
- *Hand out paper copies of graphic organizer: Tree Life Cycle.*
- *Students draw pictures to show the life cycle of a tree.*

List of materials for teacher:

- *graphic organizer: Tree Life Cycle*
- *book: A tree in a Forest <http://www.janthornhill.com/tree-in-a-forest.html>*
- *computer and online access*
- *rubric*

List of materials for student:

- *colored pencils*

Higher-Level Thinking Objectives:

- *Students will be able to synthesize information about the life cycle stages of a tree.*
- *Students will sequence the four life cycle stages of a tree.*

Strategies that meet:

Multiple intelligences:

- *Brain Pop Jr. higher level quiz (hard quiz)*

Special needs:

- *proximity to the teacher*
- *in class, special needs textured chair cushions*
- *in class, stress reliever hand balls*

ESL needs:

- *building background before the lesson using K-W chart*
- *use of vocabulary words with pictures on the board*

Creative and unique approaches:

- *graphic organizer: Life Cycle of Trees*