

Blooms Taxonomy & Multiple Intelligences

(Ecology Unit: Local environment-trees in your neighborhood)

<u>Intelligences</u>	<u>Knowledge</u>	<u>Comprehension</u>	<u>Application</u>	<u>Analysis</u>	<u>Synthesis</u>	<u>Evaluation</u>
Verbal-Linguistic	memorize names of trees	explain how trees receive nutrients	give description of tree diseases, suggest cause of each disease	describe how each part of a tree functions in relation to the whole	write a paper describing the life cycle of a tree	rate different methods of controlling tree growth
Logical-Mathematical	remember number of points on specific leaves	convert English to metric in calculating height of tree	given height of smaller tree, estimate height of larger tree	analyze materials found in sap residue	given weather, soil etc. chart projected growth of a tree	rate different kinds of tree nutrients based on data
Spatial-Mechanical	remember basic configurations of specific trees	look at diagrams of trees and tell what stages of growth they are in	use geometric principles to determine height of tree	draw cellular structure of tree root	create a landscape plan using trees as a central feature	evaluate practicality of different landscape plans
Bodily-Kinesthetic	identify tree by the feel of the bark	given array of tree fruits, identify seeds	given type of local tree, find an ideal place for planting	create different parts of tree from clay	gather all materials needed to plant a tree	evaluate the quality of different kinds of fruit
Musical	remember songs that deal with trees	explain how old tree songs came into being	change the lyrics of an old song to reflect current issues	classify songs by issue and historical period	create your own tree song based on information in this unit	rate songs from the best to worst and give reasons for your choices
Interpersonal	record responses to the question, "What is your favorite tree?"	determine the most popular tree in class by interviewing others	use survey results to pick location for field trip to orchard	classify kids into groups according to favorite tree	arrange a field trip to orchard by contacting necessary people	rank three methods to ask others about tree preference
Intrapersonal	remember a time you climbed a tree	share the primary feeling you had while up in the tree	develop "tree climbing rules" based on your own experience	divide up your experience into "beginning," "middle" and "end"	plan a tree climbing expedition based on your past experience	explain what you liked "best and "least" about your experience
Naturalist	learn to discriminate different tree leaves by sight	explain how other living beings benefit from trees	create a system for classifying different tree leaves	analyze the function of a given tree in terms of the larger ecosystem	plan an approach for protecting specific trees in your neighborhood	evaluate which trees in your neighborhood are most eco-valuable