

Per 9-25-90
207-6
Sheet 122
MP

Forestry Leader Guide Supplement

Reprinted July 1991 . 4-H 331LS

IDEAS FOR ACTIVITIES AND TOPICS FOR STUDY

Juniors (grades 4, 5, 6)

To identify trees, examine the following for differences:

leaves--size, shape, color, arrangement, margin, thickness, venation, smoothness, roughness, hairyness, stiffness, sharpness, taste, smell, and feel.

fruit--type (berry, cone, nut, etc.), size, shape, color, husked or bare, armed or unarmed, fleshy or dry, single or many seeded.

bark, buds, and twigs.

Learn facts about trees.

Which trees are important to lumber--in parks and in landscaping? Which have the smallest and largest cones? Which trees make the best firewood for fast burning or slow burning? Where do these trees grow? Which trees are used for furniture, gunstocks, paper? What trees need sunshine to grow; what ones need shade?

Study tree terminology by learning different parts of a tree.

Collect cross sections of trees, mount, and label.

Find nine different species of trees with trunks about four inches in diameter. Cut trees down and saw out one inch thick cross sections. Remove a small pie-shaped piece to allow wood to dry.

Mount on a 2 x 2 foot piece of plywood which is also finished. Label all cross sections with common and scientific names. Five uses should be printed under each cross section.

Study germination of seeds.

With glass containers, toweling, and filler materials such as garden compost or sawdust, try germinating some seeds. Keep records of how many germinated, how long it took, etc.

Gary H. Sander, Extension forestry specialist emeritus, and Lois Redman, former Extension specialist, 4-H and Youth, Oregon State University.



OREGON STATE UNIVERSITY EXTENSION SERVICE

Learn about planting trees including preparation of soil, seedling selections, correct planting procedures, and tree care after planting.

Make a plant press.

Learn soil terms (sand, silt, clay, duff, humus, etc.) and know what they mean.

Construct and use a Merrit Hypsometer and Biltmore Stick.

Plant three to five species of Christmas trees.

Intermediates (grades 7, 8, and 9)

Pick one bushel of Douglas fir cones and learn how to test cones before picking. Know what equipment is needed for safe picking.

Learn how to dry, separate, clean, store, and stratify Douglas Fir or pine seeds.

Select nursery site (if possible) or collect containers for planting seeds. Prepare soil, plant seeds, and care for them.

Learn how to use a compass and maps, about land surveys, and how to number townships.

Learn about mapping signs and develop a project (such as a park site plan) using these symbols.

Seniors (grades 10, 11, 12)

Learn to care for power saws and other harvest equipment. Learn safety practices needed when harvesting timber.

Thin and prune Douglas firs.

Learn the skill of scaling Douglas fir and ponderosa pine logs.

Develop a tree farm management plan.

Plant a windbreak if you live in Western Oregon.

