

Trunk Equipment Inventory

Elementary School Level

Equipment:

- 1 Forester's trunk (Rubbermaid Acton Packer-24 gal. size) = \$12.99 or \$5 on sale - Ames
- 3 Light intensity meters (Environmental Concepts) = \$120 Luxmeter - Terra Tech p.21
- 6 Air thermometers = \$7.26 - AM p.8
- 4 Soil. Thermometers = \$31.79 economy brand \$16.06 - AM p.80
- 1 Soil probe (Oakfield Soil Samplers) = \$34.20 - AM p.53
- 1 Fertilizer analyzer = \$16.82 - AM p.54
- 2 pH soil analyzer = \$16.82 - AM p.54
- 2 Soil moisture analyzer (Environmental Concepts) = \$78-82 - AM p.54
- 4 Compasses (Taylor) = \$9.99 - AM p.80
- 2 Sling psychrometer = \$74 - BM
- 1 Increment borer (6"Suunto) and paraffin (wax) = \$137 - BM
- 2 Cloth 1.5m measuring tapes = \$33 - BM
- 2 500 gram field scales (Ohaus) = \$415 - BM
- 8 Stakes = \$5/ 4stakes - Hardwares stores
- 2 Wind meters (Dwyer) = \$13.50 - BM
- 2 Balls of string = \$1-2 - Hardware stores
- 1 Plant press (BioQuip) \$18 Microware one - LVT OR \$45 for standard - BM
- 1 Soil sieve kit (Hubbard) \$65 - BM
- 1 Pruning shears (Hawkbill) = \$10 - LVT

Educational Resources:

- 1 AUrban Forestry Laboratory Exercises@ = Free - PURP
- 10 Tree cookies = Free from local arborist
- 10 Tree cores in plastic tray
- Dendrochronolgy kit (Lab-aids #52)
- 1 Carousel slide set of leaf parts = \$15 - Staples
- 1 Set of pressed & identified plants
- 1 Set of forestry posters = Free from Georgia Pacific or US Forest Service
- 20 May Watts Tree Finder, M.T. Watts, Nature Study Guild, Berkeley, CA 1991
- 20 Selecting & Planting Trees, The Morton Arboretum, Lisle, IL 1990
- 3 Identifiy Trees & Shrubs by Their Leaves, E. Knobel, Dover Publ, NY 1972
- 1 A Field Guide to Eastren Trees, G. Petrides, Houghton Mifflin Co., Boston 1988
- 1 A Field Guide to Wildflowers, R.T. Peterson & McKenny M., Houghton Mifflin Co., Boston 1968
- 1 A Field Guide to Mammals, William T. Burt & Grossenheider, P., Houghton Mifflin Co., Boston 1980
- 1 Trees of North America, C. Frank Brockman, Bolden Press, NY 1986
- 1 Guide to Insects, R.H. Arnett, Jr., & Jacques, Jr. R.L. Simon & Schuster, NY 1981
- 1 A Field Guide to Birds, R. T. Peterson, Houghton Mifflin Co., Boston 1980

BM = Ben Meadows - 800-241-6401

AM = A.M. Leonard Tools that Work - 800-543-8955 (Free Catalog)

LVT = Lee Valley Tools - 800-871-8158

Note: You can order many of the books through Encore for a 10% discount. I like the National Arbor Day Foundation Tree ID books best for a handy pocket guide at 50 books for \$25 or \$3/book.

Middle School Level

Equipment:

1 Forester's trunk (Rubbermaid Acton Packer-24 gal. size) = \$12.99 or \$5 on sale - Ames

1 Pruning shears (Snap-Cut) = \$10 - LVT

1 Soil probe (Oakfield Soil Samplers) = \$34.20 - AM p.53

4 Pocket compasses (Silva) = \$14-50 - BM

2 Sling psychrometer-student (Hubbard) = \$74 - BM

3 Diameter tapes-executive type silver = \$38.50 - BM

1 Professional diameter tape with hook (Lufkin) - \$39-50

4 Soil. Thermometers = \$31.79 economy brand \$16.06 - AM p.80

1 Increment borer (6"Suunto) and paraffin (wax) = \$137 - BM

4 20 BAF prism (JIM*GEM) = \$18-23 - BM

1 Plant press (BioQuip) \$18 Microware one - LVT OR \$45 for standard - BM

1 100 ft. tape measure = \$16.36 - BM

2 Cloth 1.5m measuring tapes = \$33 - BM

2 500 gram field scales (Ohaus)

3 Air thermometers (Nasco) = \$7.26 - AM p.8

1 200 ft. surveyors rope (Keson)

4 Clinometers (Suunto) = \$98 - BM

1 pH soil analyzer = \$16.82 - AM p.54

1 Soil moisture analyzer (Environmental Concepts) = \$78-82 - AM p.54

1 Fertilizer analyzer = \$16.82 - AM p.54

6 Hand lenses = \$6-20 - BM

2 Wind meters (Dwyer)

4 Jars (Ball & Mason) = \$12 for box of 24

Educational Resources:

1 A Urban Forestry Laboratory Exercises@ = Free - PURP

10 Tree cookies = Free from local arborist

10 Tree cores in plastic tray

1 Carousel slide set of leaf parts with script = \$15 - Staples

1 Set of pressed & identified plants

1 Set of forestry posters = Free from Georgia Pacific or USDA Forest Service

20 May Watts Tree Finder, M.T. Watts, Nature Study Guild, Berkeley, CA 1991

20 Selecting & Planting Trees, The Morton Arboretum, Lisle, IL 1990

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High School Level

Equipment:

1 Forester's trunk (Rubbermaid Action Packer- 24gal size) = \$12.99 or \$5 on sale - Ames

2 Pruning shears (Snap-Cut) \$10-50 - AM

2 Soil probe (Oakfield Soil Samplers)

Pocket compasses (Silva) = \$14-50 - BM

3 Clinometers (Suunto) = \$98 - BM

3 Diameter tapes-executive type silver - \$38.50 BM

4 Soil thermometers = \$31.79 economy brand \$16.06 - AM p.80

1 Soil sieve set (Hubbard) = \$65 - BM

1 Increment boror (2"-Haglof) & paraffin = \$137 - BM

1 Plant press (BioQuip) = \$18 Microwave one OR \$45 standard - BM

1 100 ft. tape measure

2 Cloth 1.5m tape measures (Ohaus) = \$33 - BM

2 500 gram field scales (Ohaus)

3 Wind meters (Dwyer)

2 Sling psychrometer (Weksler)

3 Sling psychrometer-student = \$74 - BM

3 Water meters (AMI Medical Elec.)

3 Sol pH meters (AMI Medical Elec.)

3 Water & light meters (AMI Med.)

6 Hands lenses = \$6-20 - BM

Educational Resources:

1 AUrban Forestry Laboratory Exercises@ = Free - PURP

10 Tree cookies = Free from local arborist

10 Tree cores in plastic tray

1 Carousel slide set of leaf parts with script = \$15 - Staples

1 Set of pressed & identified plants

1 Set of forestry posters = Free from Georgia Pacific or US Forest Service

2 Identify Trees & Shrubs by Their Leaves, E. Knobel, Dover Publ, NY 1972

20 May Watts Tree Finder, M.T. Watts, Nature Study Guild, Berkeley, CA 1991

20 Selecting & Planting Trees, The Morton Arboretum, Lisle, IL 1990

1 Dendrochronolgy kit (Lab-aids #52)

1 Tray of REAL tree cores

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