



RUTGERS
THE STATE UNIVERSITY
OF NEW JERSEY

Tree ID basics

Leaf Arrangement on Stems

ALTERNATE



Majority of NJ Trees

- Oaks
- Hickory
- Birches
- Holly
- Poplars
- Willow
- And many more

OPPOSITE



M.A.D. Cap Horse

- Maple
- Ash
- Dogwood*
- Caprifoliaceae (mostly shrubs)
- Horse chestnut

M.A.D. Cat Horse

- Catalpa

WHORLED



Few Trees in NJ are truly whorled

Sometimes appear whorled

- Black tupelo
- Pines
- Magnolia
- Apple

More common in shrubs and flowering plants

Leaf Types

DECIDUOUS BROADLEAF



Majority of NJ Trees

- Maples
- Oaks
- Hickory
- Birches
- Etc.

EVERGREEN BROADLEAF



- American holly

SEMI-EVERGREEN BROADLEAF



- Sweetbay magnolia

DECIDUOUS NEEDLE LIKE



- Bald Cypress
- Larch
- Dawn Redwood

EVERGREEN NEEDLE



(needles in bundles)

- Pines

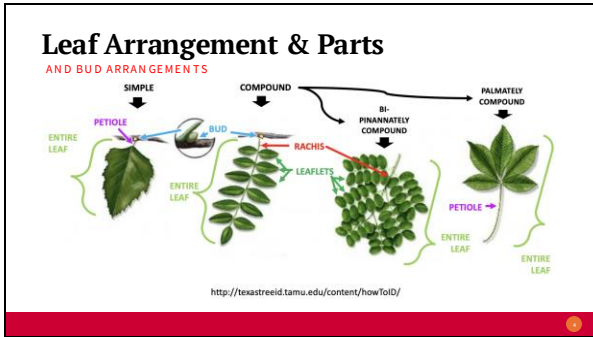
(single needles)

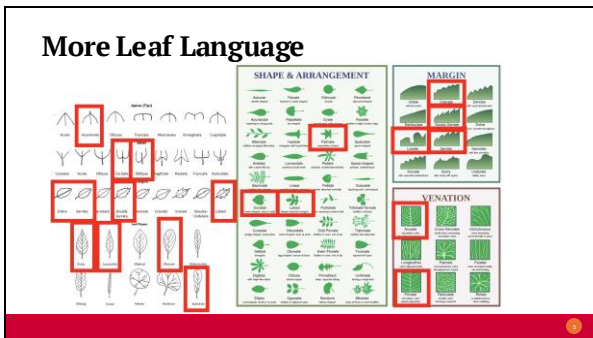
- Firs
- Spruces

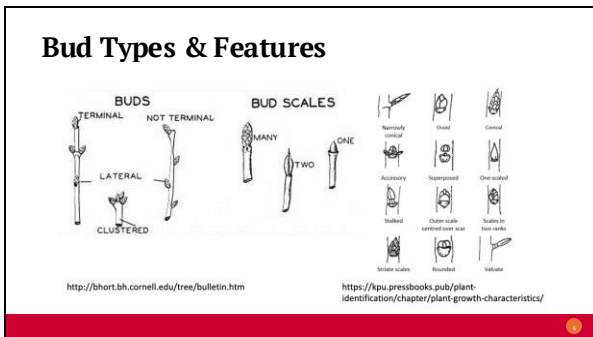
EVERGREEN SCALE-

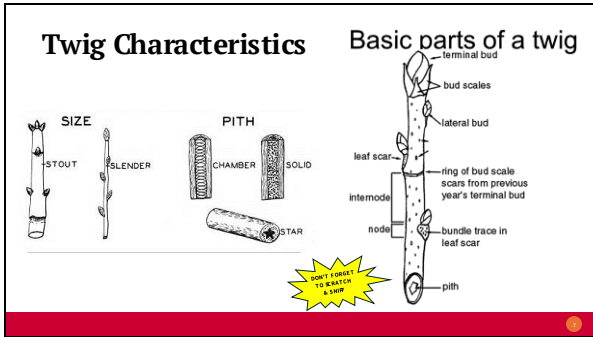


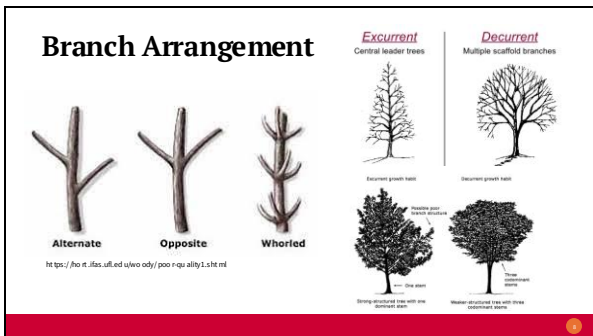
- Arborvitae/ Cedars
- False Cypress
- Junipers (some have short needles)

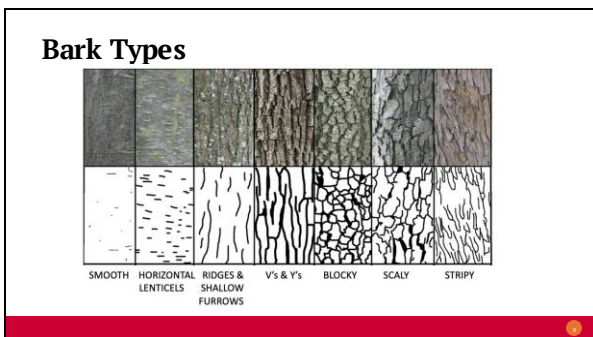












Questions?

TREE ID RESOURCES

ONLINE

Virginia Tech Dendrology factsheets & tree search

<https://dendro.cnr.vt.edu/DENDROLOGY/>

tree - treeID resource page

<https://www.treetool.org/tools/tree-identification-tools>

Native species

Woody Plants of the Northern Forests: A Digital Atlas, by Jerry Jenkins

<https://northernforests.atlas.org/category/digital-atlases-2/woody-plants/>

Field Guide to Native Oak Species of Eastern North America, by J. Stein, D. Binion, R. Accavatti

<https://www.fs.usda.gov/foresthealth/technology/pdfs/fieldguide.pdf>

BOOKS

The Tree Identification Book, by George W.D. Symonds

Trees of New Jersey & the Mid-Atlantic States, by Christopher T. Martine

Bark: A Field Guide to Trees of the Northeast, by Michael Wojtech

Delaware Trees: A Guide to the Identification of the Native Tree Species, by William S. Taber

Trees of the Northern United States and Canada, by John Laird Farrar

Manual of Woody Landscape Plants, by Michael Dirr
