

Designing with Native Plants

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Elements of Design

- Line
- Form
- Mass
- Color
- Texture

Principles of Design

- Simplicity – emphasize two to of the Elements
- Scale
- Sequence – relates to the creation of and the movement through spaces
- Balance
- Focalization – Enhance the focal point with special layout and planting design

Trees

- The USDA has also calculated that 1 acre of forest absorbs upwards of 6 tons of CO₂ and emits 4 tons of O₂. That is enough to meet the needs of 18 people!
- Evergreens placed along the NW side, block the winter's winds, heating expense can be lowered by 20-50%
- Shade Trees create a microclimate around the home and according to the USDA Forest Service, can reduce air conditioning expense by 30%.
- According to the USDA Forest Service, a tree placed on the SW side of the home can reduce air conditioning expense by 30%.
- Texas A&M University found that visual exposure to settings with trees produced a significant recovery from stress within a 5 minute period, as denoted by changes in blood pressure and muscle tension.
- Pregnant women with trees around their homes were less likely to have under-weight babies than those without trees.
- Areas impacted by the spread of emerald ash borer across 15 states – first recorded in 2002 – was associated with an additional 15,000 deaths from cardiovascular disease and an additional 6,000 deaths from lower respiratory.

Shrubs

- Craft space and spatial sequences

Rubus odoratus

Thimble Berry

Metasequoia glyptostroboides

Dawn Redwood

Hydrangea arborescens 'Annabelle'

Smooth Hydrangea

Baptisia australis

False Indigo

Baptisia x 'Screaming Yellow'

False Indigo

Baptisia x 'Twilight Prairie Blues'

False Indigo

Herbaceous

- Are the materials for decorating the spaces and providing detail.
- Predominantly for color, texture, motion and detail.

Panicum virgatum 'Dallas Blues'
Eupatorium 'Little Joe'
Helianthus angustifolius
Hydrangea paniculata 'Limelight'
Ilex verticillata,
Taxodium ascendens 'Debonair

Silphium terebinthinaceum
Amsonia hubrichtii

Carex pensylvanica

Sporobolus heterolepis

Calamagrostis x acutiflora 'Karl Foerster'
Eupatorium maculatum 'Phantom'

Calamagrostis x acutiflora 'Karl Foerster'
Eupatorium 'Little Joe'

Calamagrostis x acutiflora 'Karl Foerster'
Aster tataricus 'Jindai'

Rudbeckia maxima

Monarda fistulosa

Echinacea pallida

Vaccinium membranaceum
Itea virginica 'Henry's Garnett'
Aronia melanocarpa
Eryngium yuccifolium

Iris versicolor
Carex grayi
Iris virginica

Got Deer?

Actea pachypoda
Amsonia x 'Seaford Skies'
Amsonia hubrechtii
Aesculus parviflora

Switch Grass
Joe Pye Weed
Swamp Milkweed
Hydrangea
Winterberry Holly
Bald Cypress

Prairie Dock
Blue Star Amsonia

Oak Sedge

Prairie Dropseed

Feather Reed Grass
Joe Pye Weed

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Feather Reed Grass
Tatarian Aster

Dumbo Ears

Bergamot

Pale Purple Cone Flower

Huckleberry
Virginia Sweetspire
Black Chokeberry
Rattlesnake Master

Blue Flag Iris
Gray's Sedge
Southern Blue Flag Iris

Dolls Eyes
Blue Star Amsonia
Blue Star Amsonia
Bottlebrush Buckeye