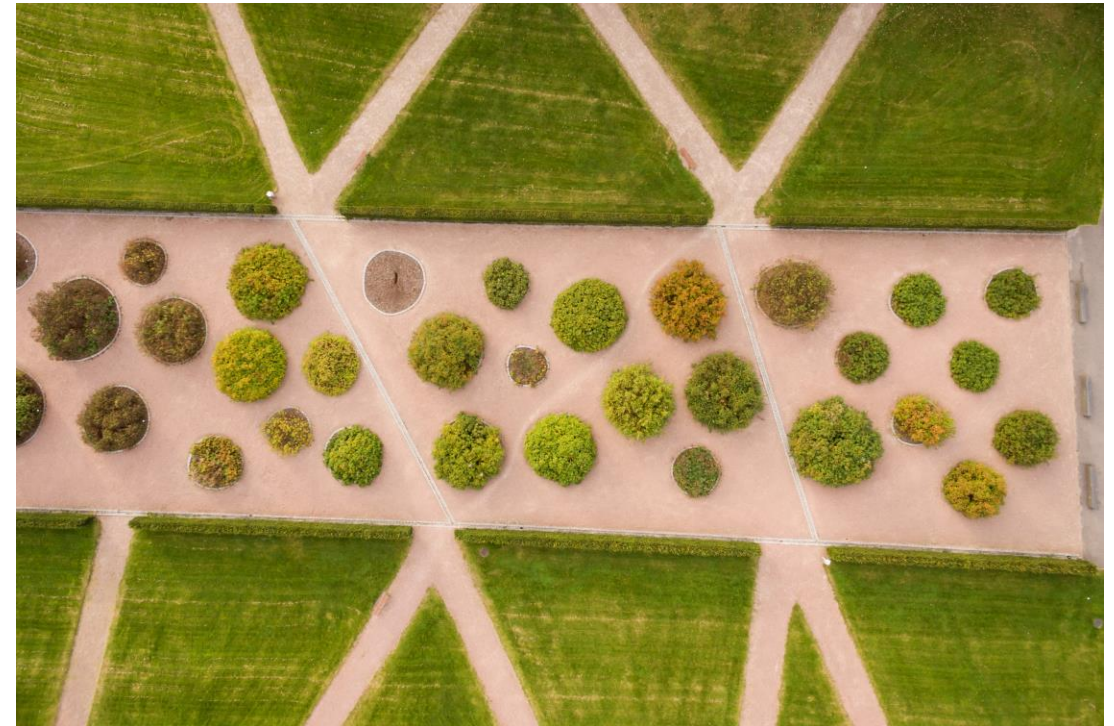




Housekeeping *GARDENING 101*



- Introduction
- Administration Issues
 - Bathroom / Water / Breaks
 - Classroom Protocol
- Who We Are?
 - <https://www.gardeningvolunteers.org/>
- Questions ?
- Course Overview





GARDENING 101

“ASK ME ABOUT...”

Module 1: Site – Garden Site and Site Analysis

Module 2: Style – The elements of Garden Style

Gardening Volunteers of South Texas (GVST)

<https://www.gardeningvolunteers.org/> - gvst2002@gmail.com

1107 Austin Highway, P.O. Box 6353 San Antonio, Texas 78209



GARDENING 101 – OVERVIEW

- *Ask Me About...*

- **Gardening** is a series of learning experiences combining innovative ideas with in-depth how-to garden information for all gardeners.

Month 1 1/26/23

Session 1: Site –
What is a garden site
and site analysis?

Session 2: Style –
The elements of garden
style

GARDENING 101 – OVERVIEW

Month 2 2/23/2023

Session 3: Selection –
Plants that fit
your site and style

Session 4: Design –
From concept to plan

Month 3 – 3/23/23

Session 5: Prepare –
How to get your planting
site ready

Session 6: Preview –
Make sure your garden
looks right and has room
to grow

GARDENING 101 – OVERVIEW

Month 4 4/27/23

***Module 7:** Plant –
Install plants of all types
and sizes

***Module 8:** Maintain –
Watering to winterizing
and everything in between

• **6–8 P.M.**

- \$15 (\$13.50) each or
- \$40 (\$32) for all four sessions
- WaterSaver Rewards Eligible
- gvst2002@gmail.com
- Andrew Waring

Module 1: Site – Garden Site and Site Analysis

- **What is a site?** - Your site is the place where plants go
 - A Garden
 - Flowerpot
 - Window Box
 - Yard
- While most people think of a site as just a plot of dirt
 - It is Unique
 - Soil and Climate

Garden Site and Site Analysis

Spring 2023



GARDENING 101

How do I determine the conditions on my site?

• Site analysis

- Most important thing you can do
- Climate
- Soil
- Sun
- Specific Conditions
- Putting it all together

Site Analysis

- Climate



- Soil

- Sun

- Specific Conditions

Climate

- **Regional Climate**

- Temperature range
- [USDA Plant Hardiness Zone Map](#)

- **Area Climate**

- Rain or snowfall in your backyard may not be the same as the average in your state

- **Microclimate**

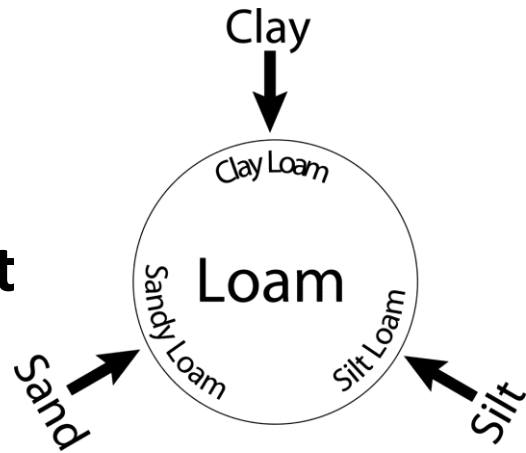
- Microclimate can be your yard or garden site
- Even one plant can have a microclimate



Soil

- **Soil Texture**
- **Soil Structure**
- **Amending Soil**
- **Special Soil Condit**

- **Clay Soil**
- **Desert Soils**
- **Soil – pH**
 - Laboratory soil testing
- **Adjusting Soil pH**



- **General facts about soil pH:**
 - Clay soils tend to be acidic
 - Sandy soils tend to be alkaline
 - Keeping pH at the proper level for the plants in your garden will help reduce garden pests and diseases.
 - Lime helps improve the structure of the soil
 - Rather than trying to alter your soil pH with lime or sulfur, using plants suited to your soil pH can save you time and money.

Soil

- **Nutrients**
- Nitrogen (N), Phosphorus (P), and Potassium (K)
- Organic fertilizers
 - Harder to overuse
 - Promote beneficial organisms
 - Lower concentrations of N, P, & K
- Inorganic fertilizers
 - More readily available
 - Improve the quality of your soil

5-10-5

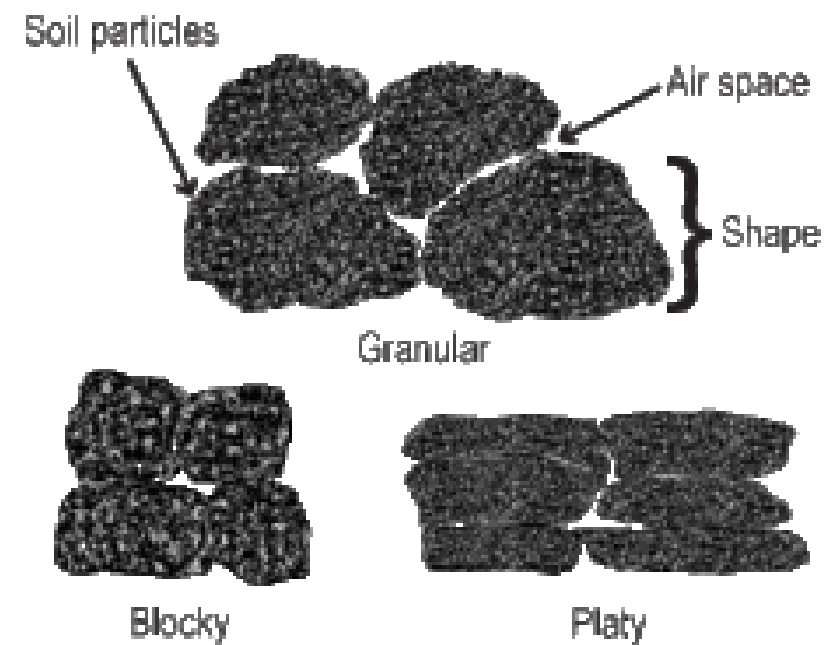
Guaranteed Analysis

Total Nitrogen (N)	5%	Nitrogen (N)
4% Water Soluble Nitrogen (W.S.N)		Readily-available nitrogen
- 2.8% Ammoniacal Nitrogen		
- 1.2% Nitrate Nitrogen		Nitrogen that must be converted to a simpler form before it is available
1.0% Water Insoluble Nitrogen (W.I.N)		
Available Phosphoric Acid (P_2O_5)	10%	Phosphorous (K)
Soluable Potash (K_2O)	5%	Potassium (K)*
Calcium (Ca)	2.6%	Intermediate Nutrients
Magnesium (Mg)	0.6%	
Sulfur (S)	0.3%	
Copper (Cu)	0.04%	Micronutrients
Iron (Fe)	0.4%	
Zinc (Zn)	0.01%	

*Note that potassium is often referred to as potash.

NET WT. 50 LBS.

Soil Types



Soil Texture



Soil Texture Classifications*

Soil Texture	% Sand	% Silt	% Clay
Clay	0-45	0-40	40-100
Silt	0-20	80-100	0-12
Sand	85-100	0-15	0-10
Loam	23-52	27-50	7-27
Loamy Sand	70-85	0-30	0-15
Sandy Loam	43-85	0-50	0-20
Sandy Clay Loam	45-80	0-27	20-35
Silt Loam	0-50	50-100	0-27
Silty Clay Loam	0-20	40-71	27-40
Clay Loam	20-45	17-52	27-40
Sandy Clay	45-65	0-20	35-55
Silty Clay	70-88	0-30	10-14

*Based on USDA soil texture classifications. Some percentages have been approximated.

Soil Testing

- **Have your soil tested?**
- **Send a soil sample to a soil testing lab**
- How to find labs that you can use to get your soil sample tested.
- You should contact the lab you are going to use before you send a soil sample in.

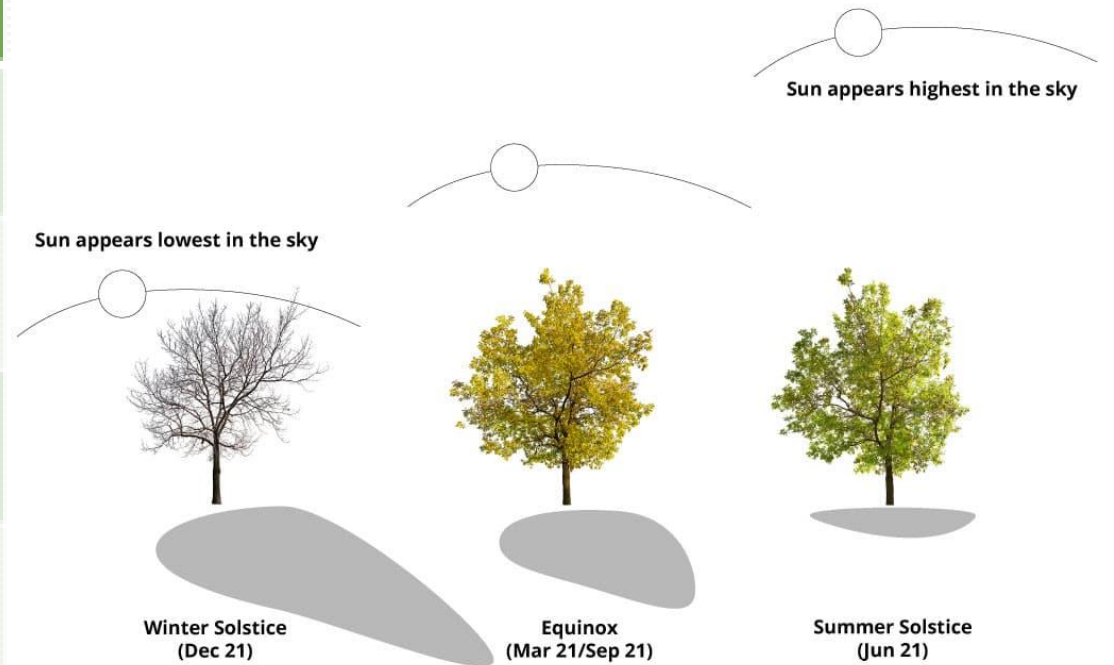
Texas A&M AgriLife Extension Service
Soil, Water and Forage Testing Laboratory



Sun

Sun Intensity*	
Full Sun	6 Plus Hours
Part Sun	4 - 6 Hours
Part Shade	2 - 4 Hours
Full Shade	0 - 2 Hours

*Figures are for direct sunlight



Specific Conditions



Specific Conditions



Specific Conditions



Putting It All Together



Break



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What is Style? Session 2

Plant

Season

Color

Trend **Theme** Concept

Place

Period

Purpose

- There is no ultimate garden design
- Garden design takes time and vision
- Focus on the design, not the plants
- Nothing is etched in stone
- Look at other gardens
- Learn about plants



Breaking the rules

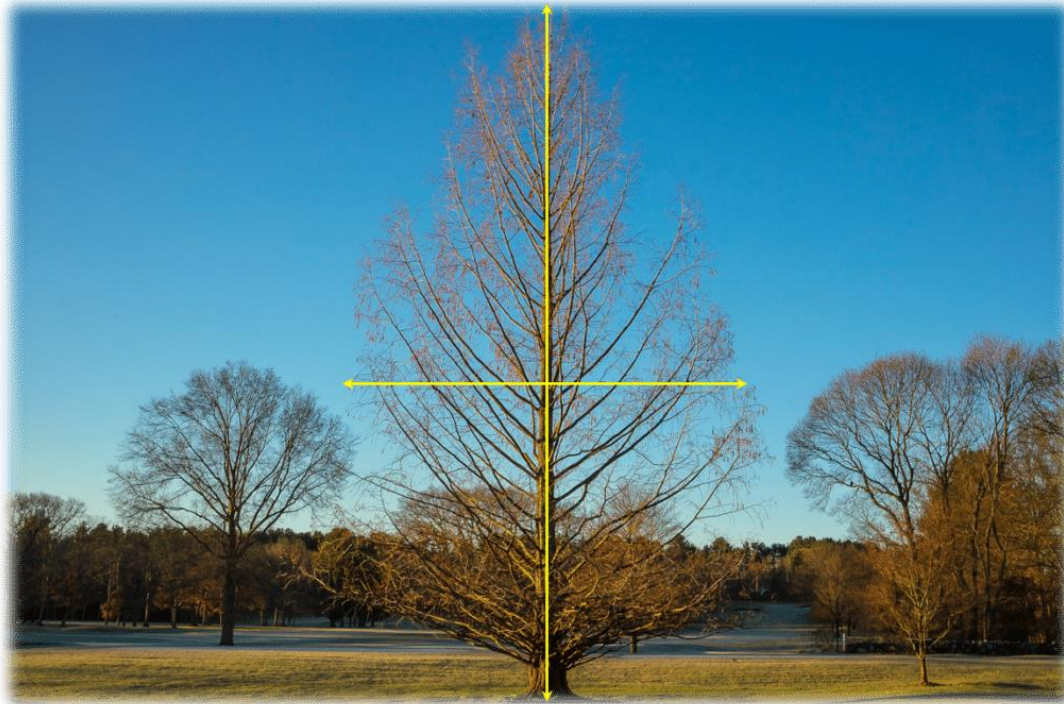
- Scale
- Symmetry
- Simplicity
- Variety
- Arrangement
- Putting it all together



Scale



Symmetry



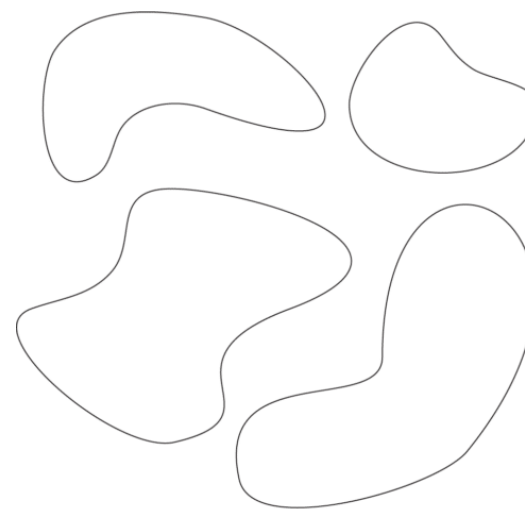
Simplicity



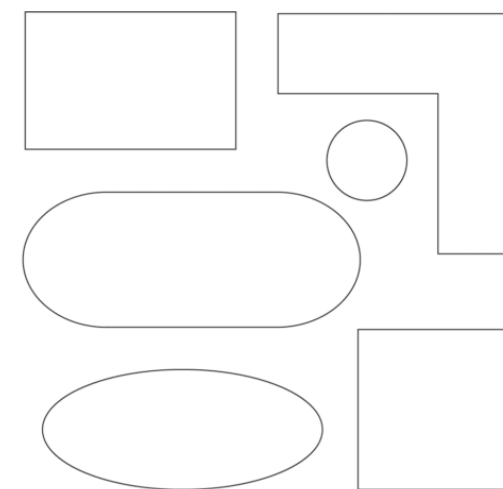
Variety



Arrangement



Freeform Beds

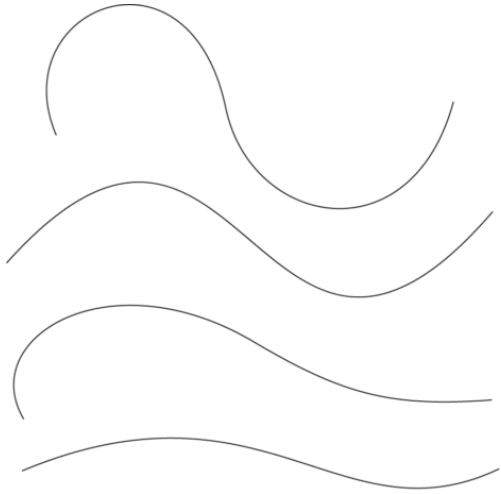


Geometric Beds

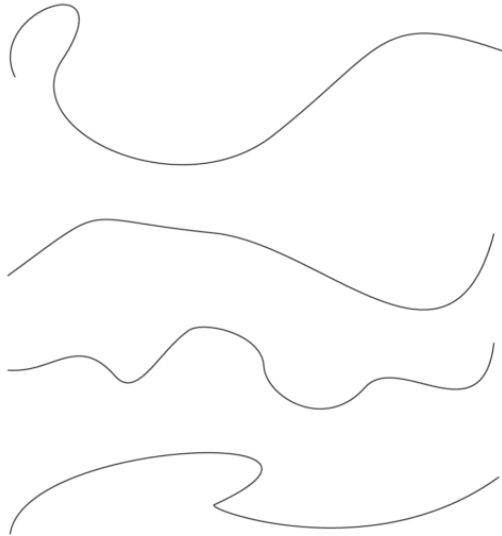
Lines



Curves



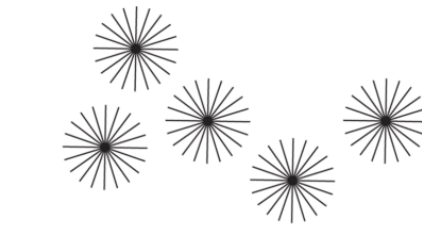
Good Curves



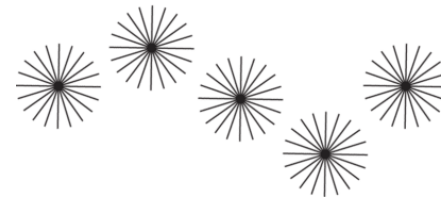
Bad Curves



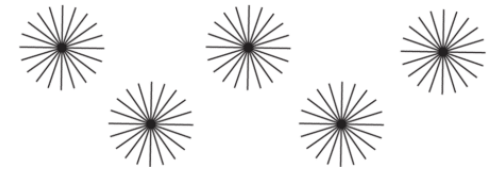
Plants



Informal



Formal



Massing



Texture



Color



Monochromatic / Polychromatic



Color isn't just about flowers



Colors

Warm Colors



Cool Colors



Putting it all together



Putting it all together



Putting it all together





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<https://www.gardeningvolunteers.org/contact>

Resources (Free)

- <https://www.gardeningvolunteers.org/contact>
- <https://www.plantanswers.com/>
- <https://www.gardenstylesanantonio.com/>
- <https://www.fanicknursery.com/index.html>
- <https://www.milbergernursery.com/>
- <https://www.rainbowgardens.biz/>
- <https://www.youtube.com/> The Practicing Gardener
- <https://agriflifeextension.tamu.edu/about/>

Resources (Free)

- <https://www.sanantonioherbmarket.org/>
- <https://sanantonioherbs.org/>
- <https://npsot.org/wp/sanantonio/>
- GSA ?
- <http://www.sanantoniogardencenter.org/>
- <https://bexarmg.org/>
- <https://www.sabot.org/> <https://www.sabot.org/learn/gardening-tips/>



"That's all Folks!"