

Feed Scarborough Garden Plan

2021-2022



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Mission statement

Create a living space where all Feed Scarborough clients and Scarborough residents can connect with the Land, their culture, and each other. A place where folks can celebrate, learn about, and grow food





Values

Commit to culturally relevant crops, accessibility measures for equitable participation, and a shared collective responsibility in maintaining/caring/loving the Land we grow on. Consider 7 generations in the future: what Land do we leave them?



Characteristics

Landscape and Capacity Context

Location: Scarborough Arts

Size: 600 ft²

Sunlight: Sunny with partial shade

Tree Distribution: near road, limited distribution
(except tree stump) in garden area

Soil Assessment: regional research shows semi-sandy, but loamy enough to retain moisture

Inclination/Solution: 45-degree slope, good condition for pumpkins

Drainage/Solution: Drainage not an issue at the bottom

Water Source: Hose and Rain Barrel

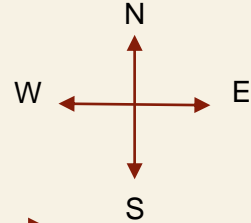
Farming approach: Organic

History: Residential

Storage: Garage



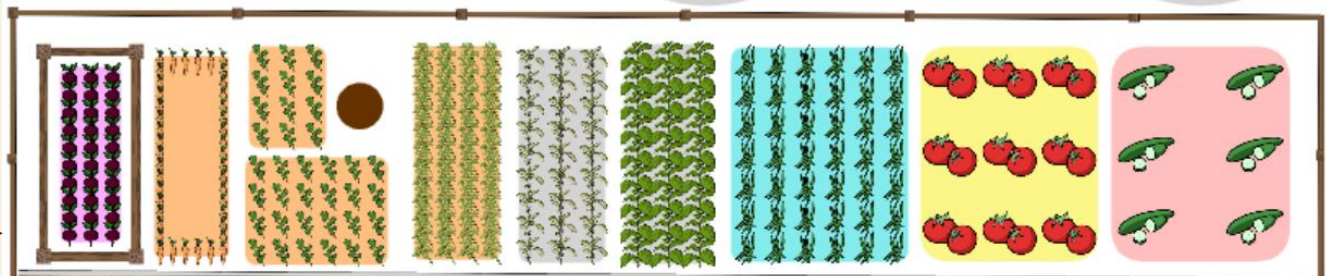
Layout: 2D model



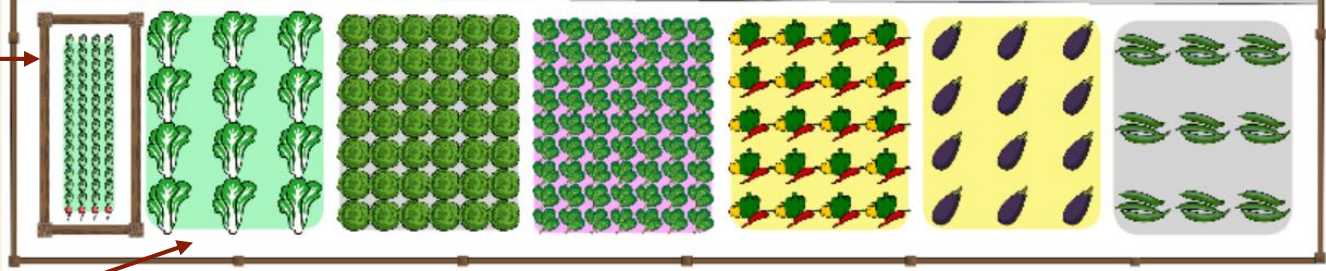
Plot 1:
Vegetable farm
35x15 ft = 525 ft²

35ft

H I J K L M N O P



PATH 3ft



G F E D C B A

5ft

Fenced area

Raised beds

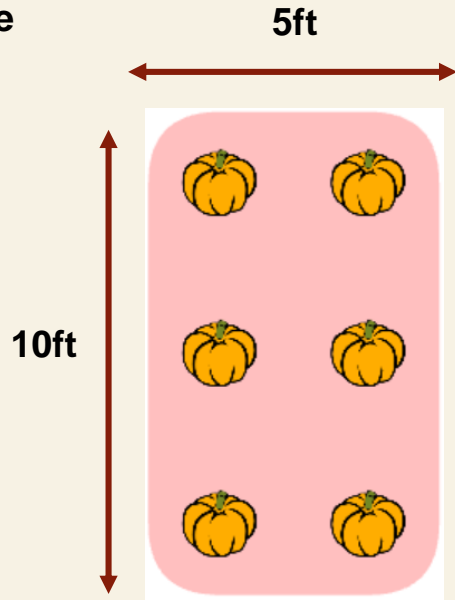
Sub-plot accessible from all sides

15ft

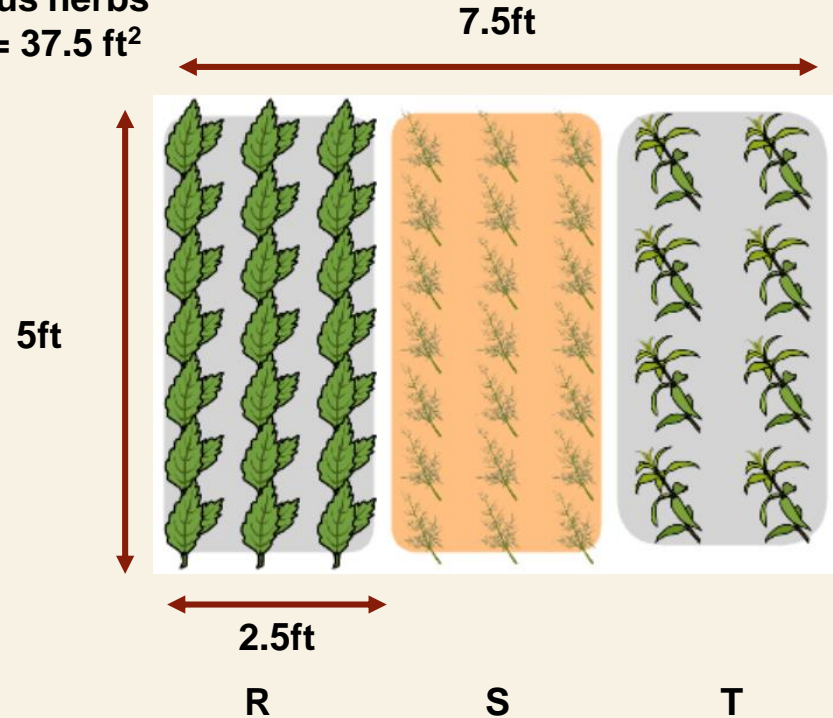
6ft

Layout: 2D model

Plot 2:
Pumpkin slope
 $5 \times 10 \text{ ft} = 50 \text{ ft}^2$



Plot 3:
Indigenous herbs
 $7.5 \times 5 \text{ ft} = 37.5 \text{ ft}^2$



Layout – predicted 3D model



East view



West view

Layout – predicted 3D model



Aerial: South view



Aerial: North view

Layout – predicted 3D model



Close Garden View

Plant Selection

Based on diversity which is categorized in two groups:

Region/ Origin – *minimum 2 plants in each category*

- SE Asia
- W Asia
- Europe
- Mediterranean
- Africa
- America
- Indigenous/ Native

Plant types – *minimum 4 plants in each category*

- Vegetables/ fruits
- Leafy plants
- Root plants
- Herbs



Plant Selection - Spring



Sub-Plot	Plants	Origin	Sowing Date			Harvest Period (days)
			Nursery (April 17-23)	Transplanting (May 15-22)	Direct (May 1-8)	
Plot 1: Vegetable Crops (w/ o support) Size: 30 ft ² (5ft x 6ft)						
A	Okra	S-E Asia, E Africa			x	75-120
B	Egg plant	S, E, S-E Asia	x	x		100-150
C	Peppers	Caribbean, C,S American	x	x		75-120
Plot 1: Leafy Crops Size: 30 ft ² (5ft x 6ft)						
D	Spinach	C, W Asia			x	30-60
E	Cabbage	Medi, E Asia	x	x		60-80
F	Lettuce	Europe, Medi, Asia			x	30-60

Plant Selection - Spring



Sub-Plots	Plants	Origin	Sowing Date			Harvest Period (days)
			Nursery (April 17-23)	Transplanting (May 15-22)	Direct (May 1-8)	
Plot 1: Root Crops (Raised beds) Size: 12 ft ² (3ft x 4ft)						
G	Radish	E, S, S-E Asia			x	40-70
H	Beets	Medi, Europe			x	50-70
I	Carrots	Global			x	50-70
Plot 1: Herbs Size: 15 ft ² (2.5ft x 6ft)						
J	Coriander	Europe, Asia			x	50-75
K	Parsley	Medi, Europe			x	60-80
L	Oregano	Europe, Medi, Asia			x	55-75
M	Basil	Medi, C Africa, S-E Asia	x	x		60-90

Plant Selection - Spring



Sub-Plots	Plants	Origin	Sowing Date			Harvest Period (days)
			Nursery (April 17-23)	Transplanting (May 15-22)	Direct (May 1-8)	
Plot 1: Vegetable Crops (with support) Size: 30 ft ² (5ft x 6ft)						
N	Beans	C, S America, Mexico, W Africa			x	75-120
O	Tomato	S American (Andes)	x	x		75-120
P	Cucumber	S, E, S-E Asia	x	x		75-120
Plot 2: Pumpkin Slope Size: 50 ft ² (5ft x 10ft)						
Q	Pumpkin	N, S America	x	x		95-130
Plot 3: Indigenous Herbs Size: 12.5 ft ² (2.5ft x 5ft)						
R, S, T	TBD					

Plant Selection - Fall



Sub-Plot	Plants	Origin	Sowing Date			Harvest Period (days)
			<i>Nursery</i> (July 17-23)	<i>Transplanting</i> (Aug 7-14)	<i>Direct</i> (July 31-7)	
D	Kale	Medi, N America	x	x		30-60
E	Arugula	Medi, N America			x	30-60
F	Cauliflower	Medi, Asia	x	x		60-80
G	Beets	Medi, Europe			x	50-70
H	Radish	E, S, S-E Asia			x	40-70
I	Carrot	Global			x	50-70
J	Thyme	Medi, N America	x	x		45-60

Name Tags/ Labels – *what information to be included*

- Name:
- Scientific Name:
- Other Name:
- Origin:
- Harvest period:
- Wow fact:

OKRA

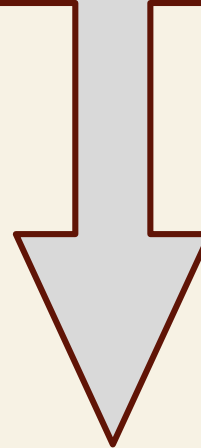
Abelmoschus esculentus

Other names: “Lady’s Fingers”, gumbo, bamia, quiabo, bhindi

Origin: North Africa (*Egypt*) and South East Asia (*India, Bangladesh*)

Harvest Period: 75-120 days

Wow Fact: low in calories, but high in calcium, protein, carbohydrates, fat, fiber, and magnesium.



Timeline

OPERATIONAL & COMMUNICATION PLAN

MARCH 27: Complete draft of plan (communication, operational and layout)

MARCH 29: Final plan with adjustments

MARCH 30: 1st communication email to volunteers

MARCH 31: Social Media Blast (solicit funds, volunteers, equipment, creating awareness)

APRIL 2-5: 1st meetings with volunteers to introduce garden plan and responsibility

APRIL 10-14: Discussion of roles and responsibility with short-term and long-term teams - planning, watering, fertilizer application, weeding, composting, equipment and communication protocol



GARDEN GROWING PLAN

APRIL 17-20: Preparation of the garden (breaking and improving health of soil)

APRIL 17-23: Nursery preparation of the spring crop

MAY 1-8: Direct sowing of the spring crop

MAY 15-22: Transplanting of the spring nursery

JULY-AUGUST : Harvesting period of spring crop

JULY 17-23: Nursery preparation of the fall crop

AUGUST 1-7: Direct sowing of the spring crop

AUGUST 7-14: Transplanting of the fall nursery

SEPTEMBER-OCTOBER: Harvesting period of fall crop

