

NAME: - Jaineel Bhatt

DAY 11

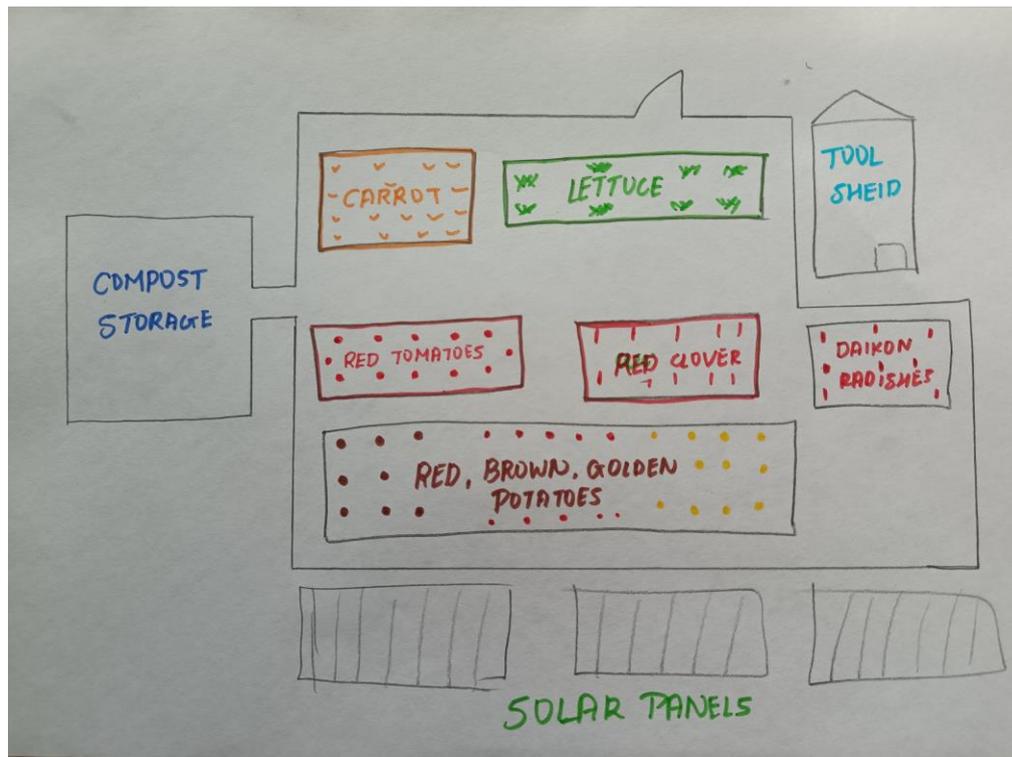
USERNAME: - JaineelBhatt555

Greenest

SCHOOL: - Vidyadhish Vidyasankul

INSTAGRAM: - jaineel.pgc

Here's a sketch of my Garden:



What will you plant? Include at least 6 varieties. Share the attributes of each plant. Tell us why you are planting each and how they will contribute to healthier soils, climate and people.

I'll plant a total of 6 varieties of plants, five of them will provide vegetables that I consume on daily basis. It saves you a trip to the grocery store, and it's a great way to put your green thumb to work.

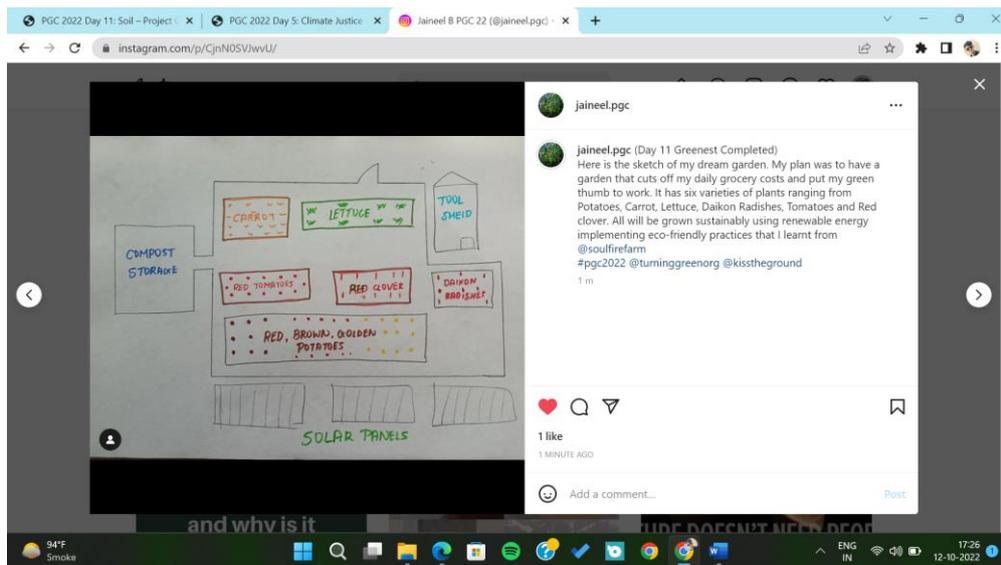
- One main plant/vegetable of my farm occupying largest area would be **Potatoes**. They are one of the most consumed vegetables globally and is packed with numerous amounts of health benefits. I'll grow a variety of Red, Brown and Golden potatoes. As the potatoes swell, they break soil up and create air spaces. By the time your crop is forked to the surface a former piece of wasteland is ready to grow a greater variety of plants. They also result in weed-free soil.
- Also, **Tomatoes** will also be an important vegetable in my garden. Tomato production is relatively sustainable since there is no known significant damage to air, water, land, soil, forests, etc. They are also consumed heavily on daily basis. Growing your own tomatoes has several benefits. They have higher amounts of antioxidants and are more flavourful than store-bought tomatoes.

- One major vegetable I'll grow is **Carrot**, because they don't require much space around them and are cool-tolerant vegetables. Carrots are most often grown in sandy loam or silt loam soil to promote optimum water holding and drainage. Carrots are also a good source of fibre, biotin, and vitamins B and K, and are also found beneficial in improving eye-sight.
- **Red Clover** is a nitrogen-fixing legume plant which also has some other benefits. It provides a dense carpet that prevents weeds and retains moisture, its roots increase soil friability (crumbly texture), and it attracts beneficial insects. It is edible and used for many medicinal purposes.
- **Daikon Radishes** can contribute towards soil health and are also very delicious. They are the result of a dozen years of selective breeding. When they decompose in the soil, the natural pores left behind serve as ideal water and air movement channels, greatly increasing the surrounding soil's health. On the weed front, they offer extreme weed control. Because their foliage grows so quickly, they can be planted as late as three weeks before a first frost and will effectively outcompete weed species.
- Being a good source of fibre, iron, folate, and vitamin C, **Lettuce** will also be a part of dream garden.

What agricultural and climate-friendly practices will you take into account? Share at least 3 and their impact.

As learned from the video of Soul Fire Farm on soil health, I'll follow a unique way of watering plants which is by using 'Compost Tea'. Fill five-gallon bucket with water and let it sit overnight. Fill a sock with compost and seal it with rubber-band. Stir the sock in water for 20mins and the compost tea is ready-to-use. This is the most beneficial way of watering the plants as it enriches the soil. I'll often check the nitrogen cycle of the soil by checking the nodules on legumes. More the nodules, better is the nitrogen cycle of the soil. Also, I wouldn't use any kind of fertilizers, instead I would use compost such as vegetable peelings, fruit waste, teabags, plant pruning's and grass cuttings. Also, every electricity needs would be filled by renewable energy (Solar Panels).

Screenshot of my IG Post:



References:

All information on plants and vegetables are taken from

‘Food Source Information’ - <https://fsi.colostate.edu/>

All techniques and practices are taken from

<https://www.souffirefarm.org/>