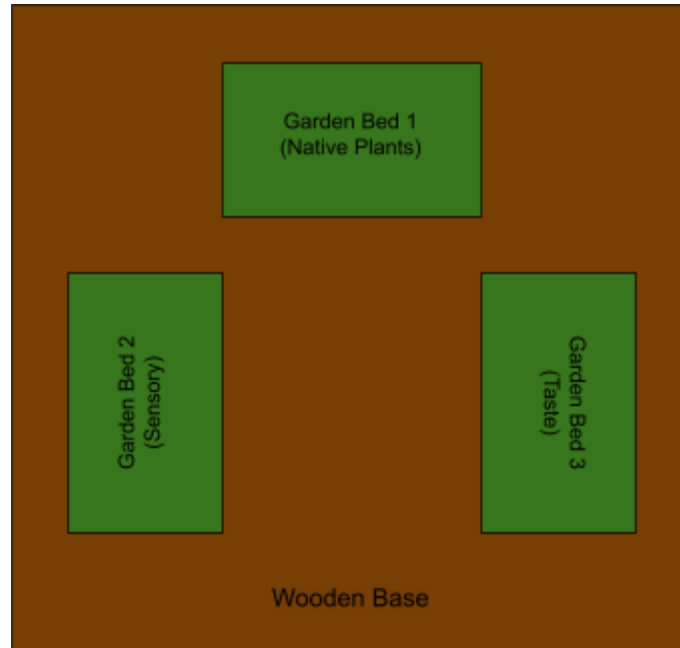


Overview and layout of garden:

The garden at the Krieger Center is a sustainable, safe, and educational garden for children. The extent of outdoor and garden education benefits for young minds cannot be understated. We hope the impacts of this garden will be widespread amongst the brilliant young minds of the future and set a new standard for sustainability in educational gardens at UCLA and at all early care education centers around the United States.

There is a decision to place the garden in the Krieger Center wooden patio space that has four pillars and a roof with wooden planks. With verbal confirmation from Alicia Minor as a probable space to put the centralized garden space and our team's research this location will be best for the garden. This is because it is relatively in the center of the play space for children and can be easily accessed by all in the center. It has a trail already that can be modified to allow for accessibility and safety. This space is already relatively level which means less materials and labor needed to even out the ground beneath for the beds to be placed on.

Garden beds, suggestions given below, are the best option instead of painting directly into the soil because we do not know the chemical composition of the soil or the gardening teams at UCLA use of pesticide or herbicide. This will also prevent children from running over the plants and possibly hurting themselves on plants. We also have decided that a mesh of wire, preferably reused or recycled material can be used to encapsulate the garden beds to prevent squirrels from taking the food. This is much more sustainable and safe than using possible traps, pesticides, or other alternative methods. Our team envisioned a three bed laid out in a u-shaped pattern to allow for students to gather around each one and to allow easy access. For safety reasons, we recommend that the drip irrigation is placed on the back of each garden bed to prevent children tripping and the drip line from being damaged.



Google Drawing Depicting Garden Layout

Plants to Include in Garden:

1. Agave (*Agave americana*)
2. Echeveria (*Echeveria strictiflora*)
3. Lavender (*Lavandula angustifolia*)
4. Russian Sage (*Perovskia atriplicifolia*)
5. Chickpea (*Cicer arietinum*)
6. California Black-Eyed Cowpea (*Vigna unguiculata*)
7. Lamb's Ear (*Stachys byzantina*)
8. Mint (*Mentha*)
9. Carrots (*Daucus carota*)

Options for beds/soil/irrigation:

Raised Beds (Two size options)

- [GrowGardens 2' x 8' Redwood Raised Garden Bed](#)
- [GrowGardens 2' x 4' x 11" Redwood Raised Garden Bed](#)

Raised bed ornamental vegetable gardens have an appropriate design which is especially beneficial for those with limited outdoor space such as schools and kindergartens. They also serve as educational tools for younger generations and inexperienced gardeners, perfect for the Krieger Center. In landscape design, raised garden beds merge aesthetics with practicality, providing benefits that enhance functionality and visual appeal. Additionally, using wood, particularly redwood or oak, is a cost-effective solution for constructing these beds, offering durability and a natural look.

Soil (Two Options)

- [Amazon.com: Burpee, 9 Quarts | Premium Organic Potting Natural Soil Mix Food Ideal for Container Garden-Vegetable, Flower & Herb Use for Indoor Outdoor Plant](#)
- [Amazon.com : Miracle-Gro Potting Mix, Potting Soil for Outdoor and Indoor Plants, Enriched with Plant Food, 2 cu. ft.](#)

Buying soil in bulk from companies that deliver directly to locations is beneficial to prevent plastic bag waste from smaller retailers. Furthermore, given the unknown conditions of the existing soil and the treatment of current grass and weeds at the Krieger Center, using new soil is recommended.

Irrigation

- <https://irrigationsupplyparts.com/shop-3/drip-irrigation/garden-drip-irrigation-kits/irri-gator-100-drip-irrigation-kit/>

