

CO-CREATE VEGETATION POTS: HOW TO

1

What are Vegetation Pots?

Vegetation pots are used to grow vegetables leveraging recycled materials, seeds, and compost. In a classroom, the pots provide a hands-on learning opportunity for students to cultivate and observe plant growth within a controlled indoor environment..



*A sample photo of a finished vegetation pot to grow vegetables.

2

Why do vegetable pots matter for the climate and the environment?

- a. They enhance biodiversity (diversity and variation of plant species and insects) and green spaces around the school. This creates a better environment for learning and benefits other plants and the environment.
- b. They improve air quality and school aesthetics, increasing positive learning conditions for students.
- c. They provide hands-on learning opportunities for several subjects taught in school, such as science, biology.

3

How are vegetable pots connected to the broader climate action teacher champion toolkit?

- They are a key building block in learning how to grow vegetables and herbs with limited space and resources, while giving students hands on experience to take a plant or crop through a full growth cycle. Similar skills will be used when planting and tending to the microforest.

4

Materials Needed:

- a. Ten 10L pots or planters (these could also be recycled bags or plastic bottles)
- b. 5kg of compost per pot, 50kg total
- c. 2.5kg of fine river sand per pot, 25kg total
- d. 2.5kg of clay soil, per pot 25kg total
- e. Seeds or seedlings, including Tomato Seeds (4), Chili Seeds (3), Spring Onion Seeds (2), Basil (1) - one seed per pot you intend to plant
- f. Watering can or hose and available gardening tools

5

How do I set up the Vegetable Pots?

1. Place a small layer of rocks at the bottom of the 'pot' for draining
2. In the pot/bottle, mix 5kg compost, 2.5kg fine river sand, and 2.5kg fine sieved clay
3. Plant your seeds or seedlings in the pots and water them until the soil is wet to the touch
4. During the day, place your pots outside the classroom near doorways and windows, at night move the pots inside the classroom to protect against pests and rodents
5. Water and maintain plants regularly by replacing soil when necessary, adding compost, and harvesting the fruits/herbs when ready.

6

What will I see if the Vegetable Pots are working?

- Healthy plant growth and vibrant leaves
- Fruits or vegetables ready for harvesting