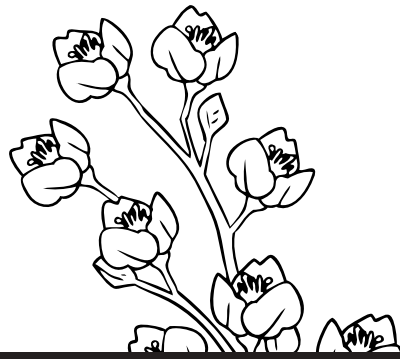


*The Pollinator Project*  
**SAVE THE BEES**

PROPOSAL FOR THE SFU  
CHILDCARE SOCIETY



SPRING 2019

GARDENS



[HIVE@THEPOLLINATORPROJECT.INFO](mailto:HIVE@THEPOLLINATORPROJECT.INFO)

## **What's our Cause?**

It is an irrefutable fact that the global bee population has been on a steady decline in the past decade. Humans exist on top of a glorious, and fragile pillar we call the "food chain". Bees are one of, if not, the most important link in this food chain. If they were to die out, crops and plants would stop reproducing, leading to the annihilation of agricultural diversity. Following this, herbivore species would starve to extinction, and with it, the carnivores as well. It wouldn't take long for this chaos to reach us: the species standing atop a crumbling pillar. Food shortages would become more common, leaving millions with empty plates. Non-pollinating crops, however, will continue to thrive, reducing our once extravagant meals to a mixture of potatoes, corn, and rice.

## **Who Are We?**

The Pollinator Project is an endeavor launched in early 2017 to provide bees with a safe haven, as well as a place in our daily conversations. We fund and construct beautiful pollination gardens for schools, small-businesses, and public spaces to educate our community about the importance of pollinators. Although we have global aspirations, our services are primarily carried out in Vancouver.

## **How will this benefit SFU Childcare Centre**

The integration of a Pollination Garden will certainly add value to the learning environment present at the SFU Childcare Centre Campus. Students will be immersed in an eco-friendly setting and encouraged to start meaningful discussions about sustainability. The Pollinator Project will handle all monetary aspects of the project and provide our own workforce to complete the construction.

## **Pre-requisites:**

For the construction of this garden to be successful, we will need to up-root any other plants around the area.

## Materials:

### 1. The Bee Blend

For all areas, we will be using a mix of pollinator friendly wildflowers blended by an expert beekeeper. This blend will consist of the following flowers:

- Chinese Forget-Me-Not — *Cynoglossum amabile*
- Siberian Wallflower — *Cheiranthus allionii*
- California Poppy — *Eschscholzia californica*
- Purple Coneflower — *Echinacea purpurea*
- China Aster — *Callistephus chinensis*
- Corn Poppy — *Papaver rhoeas*
- Lance Leaved Coreopsis — *Coreopsis lanceolata*
- Blue Flax — *Linum lewisii*
- Baby Blue Eyes — *Nemophila menziesii*
- Globe Gilia — *Gilia capitata*
- Indian Blanket — *Gaillardia pulchella*
- Tidy Tips — *Layia platyglossa*
- Plains Coreopsis — *Coreopsis tinctoria*
- Sweet Alyssum — *Lobularia maritima*
- Lavender Hyssop — *Agastache foeniculum*
- Fleabane Daisy — *Erigeron annuus*
- Forget-Me-Not — *Myosotis sp.*
- New England Aster — *Symphotrichum novae-angliae*
- Lemon Bergamot — *Monarda citriodora*

### 2. Signs

We will be installing small sign for the purposes of indicating the areas in which we have planted pollinator-friendly wildflowers.

## **Scope of Project:**

In this process, we aim to enhance the common areas that students, faculty members, and children share while supporting local pollinators. We'd also like integrate pollinator habitats into the lovely yet natural environment that the SFU Childcare Centre is already providing its students. Our project will consist of the following actions:

- A. We will sow wildflower seeds in the sloped patch in front of the SFU Childcare Centre
- B. We will plant pollinator habitat in unused garden beds, planters, and soil within the fifteen programs present at the SFU Childcare Society
- C. We will plant pollinators in various locations within the UniverCity Daycare Centre

## Objective A



Above is a satellite image we've obtained from Google Maps. The area we are referring to is the section circled in blue. We will be uprooting the majority of the existing vegetation and sowing wildflower seeds in this area.

## Objective B

Currently, we do not have an idea of what areas at SFU Childcare Society's programs we will be planting in. The SFU Childcare Society, however, has indicated to us that there are large amounts of planters and soil that are available for our use. For these reasons, we will be assessing the outdoor environments of each program at the SFU Childcare Society for areas we will sow our wildflowers in **on the day of the project's execution**. Before we do come to complete this portion of the project, we would like the SFU Childcare Society to indicate areas in which we are not to plant wildflowers in – whether it be through signage or verbal communication. This way, we will not accidentally impede SFU Childcare Society's other endeavours.

## Objective C

We propose to plant wildflowers in the various areas indicated below at the UniverCity Childcare Centre:

- 1. Sloped Area (we will need to uproot some of the existing vegetation here)**

Approximate Measurements: 4 x 3 feet



## 2. Garden bed one

Approximate Measurements: 3.5 x 1.5 ft



## 3. Garden bed two

Approximate Measurements: 3 x 1 ft



**4. Three Circular Patches Nearing the Upper Sections of the Play Area (the existing vegetation will be uprooted)**

Approximate Radial Measurements: 4 feet, 2 feet, and 2 feet



**5. Sloped Area Near the Stairs (the existing vegetation will be uprooted)**

Approximate Radial Measurements: 12 x 10 feet





### **Additional Note Pertaining to Objective C:**

As per our inspection, UniverCity has an excess pile of soil near the corner of the daycare play area. We'd like to request to use this soil.

### **Maintenance:**

The wildflowers are quite resilient on their own, and will not require any maintenance (pruning, etc.). However, we advise that the flowers are watered at least once every other day to prevent them from drying out (more might be needed during the summer seasons). The mix should re-grow for several years but will benefit from re-seeding. In late summer, many of the components will produce seed heads that can be harvested and replanted the following spring.

### **Safety precautions:**

Please do not allow for the ingestion of these flowers. Please be cautioned that the existence of this garden may attract local pollinators - such as butterflies, hummingbirds, and bees - to the area.

### **Construction Date:**

The entirety of this project will take no more than one work day to complete. Depending on your availability, this date will most likely be in May or early June. Before we do come to complete the project, however, we would like the SFU Childcare Society to indicate areas in which we are not to plant wildflowers in – whether it be through signage or verbal communication (refer to Objective B for additional information).

### **Workshops:**

Our workshops are geared primarily towards young children ages 3-7 and may cover any appropriate topic under the “environmental education” umbrella. They consist of usually

around 20 minutes of instruction and 30 minutes of time to run a hands-on class activity. If your daycare is interested in hosting one of our workshops, please let us know when you'd be available to have us!