



Connecting People,
Pollinators and Places

Bee City School/Campus Application Form

Fleming College, School of Environmental and Natural
Resource Sciences
(School/College/University/Educational Institution)

Ontario
(Province/Territory)

A) School Information:

School/College/University/Educational Institution: **Fleming College, School of Environmental and Natural Resource Sciences**

Address: Frost campus, 200 Albert Street South, PO Box 8000

City/First Nation: Lindsay Province/Territory: Ontario

Postal Code: K9V 5E6 Phone: 705.324.9144

B) Applicant Information:

Name: Marcy Adzich

Position: Sustainability Projects Coordinator, Frost Campus

Email:

Phone:

D) Becoming a Bee School/Campus

Briefly summarize why your school/campus/educational institution should become a Bee City School/Campus (add/remove lines as needed).

Fleming College School of the Environment and Natural Resource Sciences (SENRS) is an ideal community for a Bee Campus designation. We offer dynamic post – secondary environmental programs which focus on restoration and conservation of a wide variety of ecosystems that are critical for pollinator habitat. Our programs in Fish & Wildlife, Sustainable Agriculture, Forestry and Ecosystem Management focus deeply on the environmental impacts of our activities upon ecosystem health, which include pollinators.

Our campus is situated upon 100 acres of unique property with intact natural heritage systems, as well as a large pollinator garden, public community garden, orchard, constructed wetland, woodland trails and agricultural fields which are sustainably managed in partnership with students, staff and the wider community.

Recently, we received funding to launch a Frost Campus Apiary Project through Fleming College's *Students for Sustainability* action group. These students fundraised for the apiary through an "Adopt –a Bee" campaign, as well won the WWF Living Campus competition and our Applied Projects Pitch Competition. In partnership with the Office of Sustainability and the Sustainable

Agriculture program at SENRS, we are excited to be installing the apiary at the end of May. There are several staff and students on campus who are beekeepers and offered to be a part of the 'Bee Team' to steward the two honeybee colonies for the college.

SENRS' extensive pollinator garden, established in 2004 has gradually expanded to 1200 sq.ft of habitat. The stewardship of this garden is a collaborative effort between staff, students in various programs and community volunteers. We endeavor to build upon the educational initiatives in this space, including seed saving of regionally adapted pollinator species and install education signage about pollinators.

We have established and maintain strong relationships with the wider community of the City of Kawartha Lakes, including the Pollination Action Committee (PAC). Through the work of PAC, the City of Kawartha Lakes was designated a Bee City, in which we support and participate in their activities and initiatives.

E) Commitments and Actions

In order to enhance the understanding of the students and staff about the vital role that pollinators play and what each of us can do to sustain them, the applicant agrees to meet the following commitments required of all Bee City Schools/Campuses:

1. **Adopt this Bee City Canada Resolution.**
2. **Create a Bee City Working Group**, the team which will be responsible for the Bee City program at your school/campus. We recommend a committee of at least two teachers/instructors, two students and caretaking/facilities staff, where possible (expand/reduce table as needed).

| Name | Role | Email address |
|--------------|--|---------------|
| Marcy Adzich | Bee Campus Coordinator, campus apiary and pollinator garden steward | |
| Tania Clerac | Professor and Operations Lead – Frost Campus | |
| Calvin Swan | Fleming College Student – Student outreach & engagement (extra-curricular) | |

| | | |
|---------------|---|--|
| Scott King | Technician: Sustainable Agriculture program at Fleming College, campus apiary and orchard steward | |
| Susan Blayney | Community Liaison: City of Kawartha Lakes Bee City contact; Pollination Action Committee Lead | |
| Brett Goodwin | Dean – Fleming College School of Environmental and Natural Resource Sciences | |

3. Develop a Pollinator Habitat Action Plan: Outline any initiatives which aim to improve, maintain or create new habitat for pollinators. Examples could include planting a locally native pollinator garden at your school or in the local community. Describe your plans for habitat and include a plant list, if possible.

- 1) Maintain our existing green roof and pollinator garden at Frost campus that was established in 2004 and has expanded to a 1000 sq. ft. area. This season, we will collect and save seed from our pollinator plant to help expand our Frost Campus Seed Library. Plants and shrubs include a variety of Asters and Lilies, Monarda, Common and Butterfly Milkweed, Red Osier Dogwood, Chokecherry, Cowslip, Echinacea, Common and Hoary Vervain, Pestemon, Sage, Yarrow, Gaillardia, Phlox, Globe Thistle, Foxglove, Wild Lupins, Dicentra, Coreopsis, Joe-Pye Weed, and Woodland Sunflower.
- 2) Maintain our newly planted fruit orchard on campus, which provides early spring blossoms as a food source for pollinators. Fruit tree varieties include apple, pear and cherry cross-pollinating cultivars.
- 3) Partner with the City of Kawartha Lakes Public Works "Adopt – a Road" program to transition the 400-metre boulevard to Frost campus as a pollinator "pathway". Pollinator species will include drought and salt tolerant species such as New England Aster, Gaillardia, Lamb's Ears (non-native), Fragrant Sumac, Bee Balm, Zig-Zag Goldenrod, Daylily, Sedum (non-native), Yarrow and Adam's Needle.

4. Promote Education about Pollinators: Outline any initiatives aimed at educating students, staff, volunteers, parents and/or the local community about pollinators.

- 1) Develop and provide educational resources about pollinators and the process of insect pollination in our Frost Campus Seed Library. Educate the campus community how saving seed helps the conservation of both plant and insect pollinator species;
- 2) Design and install outdoor educational sign in our campus pollinator garden explaining the "Do's and Don'ts" of gardening for pollinators, as well as the most common species of pollinator plants and insects within the garden;
- 3) Liaison, support and participate with the Pollination Action Committee (PAC) in the City of Kawartha Lakes (CoKL) Bee City initiatives and activities;
- 4) Host a Pollination Garden community "work bee" at the Frost campus garden. We will invite the local and campus community to participate and learn about the importance of pollinator habitat, features of a pollinator garden, and the variety of pollinator and plant species within our region;
- 5) Develop and facilitate a "Bees and Butterflies" field day on Frost campus with our *Nature Explorer Kid's Outdoor Camp* (ages 6 – 10) in partnership with Kawartha Conservation and PAC;
- 6) Host an "Open Hive" complimentary workshop at the Frost Campus Apiary for the community to learn about wild pollinators and managed honeybees, as well as offer a unique opportunity to observe bees close hand with a local beekeeper.

5. Celebrate Pollinators: Tell us about how your school/campus will celebrate International Pollinator Week and/or participate in other pollinator-themed events.

- 1) Fleming College would like to celebrate the opening of our new Frost Campus Apiary Project in the orchard during Pollinator Week. Our 'Students for Sustainability' team fundraised to purchase equipment for an apiary this year, and was awarded funding through the WWF Living

Campus grant competition for this project. Pollinator Week would be an ideal time to welcome the honeybees to their new home at Frost campus and recognize the great work and vision of these students with the wider community.

2) Fleming College will also celebrate Pollinator Week by hosting a "Community Work Bee" in our established pollinator garden, orchard and green roof. Activities will include planting pollinator species, observing and identifying insect pollinators, and offering community volunteers refreshments made with pollinator- dependent ingredients.

3) If this application is successful, we would like to promote and celebrate Fleming College, School of Environmental and Natural Resource Sciences as a **Bee Campus** during International Pollinator Week!

F) Other Requirements

1. Publicly acknowledge receiving your Bee City designation through your website, social media and by displaying Bee City Canada signage in a prominent location.
2. Annually apply to renew your Bee City designation. A renewal application will be sent to you.

G) Resolution and Signature

WHEREAS the goal of Bee City Canada is to promote healthy, sustainable habitats and communities for pollinators;

THAT bees and other pollinators around the globe have experienced dramatic declines due to land fragmentation, habitat loss, use of pesticides, industrialized agriculture, climate change and the spread of pests and diseases, with serious implications for the future health of flora and fauna; and

THAT schools, colleges, universities and learning institutions have the opportunity to take actions to support pollinators by creating healthy habitats within their grounds and the broader community; and

THAT supporting pollinators fosters environmental awareness and sustainability, and increases interactions and engagement among school/campus community stewards; and

THAT staff be authorized to submit the Bee City Canada Application to designate (school/college/university/learning institution) as a Bee City School/Campus; and

If you have any questions, please contact Nick Savva - nick@beecitycanada.org or 416-388-8856.

NOW, THEREFORE, BE IT RESOLVED:

THAT (school/college/university/learning institution) accepts the designation and commits to the standards of the Bee City Canada Program.

Read, approved and adopted this

5th day of JUNE, 2018.

Signature of Principal/President/Official: _____

Please print Principal/President/Official's name: Brett Goodwin

Brett Goodwin

Dean, School of Environment and Natural Resource Sciences, Fleming College

Submitted by: Marcy Adzich **Date:** June 6, 2018

H) Requested Attachments

With your completed application, please provide:

1. Your school/college/university/institution logo (png format) with any usage guidelines.
2. (optional) One or more photos representing your school/college/university/institution for use on the Bee City Canada website and social media platforms.

Send your completed application to: applications@beecitycanada.org.

