**Kids in the Garden Program – Program Staff**

**Spring 2019**

**Research and Science Team**Dr. Rita Hagevik Environmental Science/GIS/Science Education
Dr. Martin Farley Geologist/Palynologist

Dr. Kaitlin Campbell Entomologist and Experienced Bee Keeper
Dr. Jeffrey Warren School Counseling/STEM Careers

Dr. Lisa Kelly Ecologist, Director of Herbarium

Dr. Grant Pilkay Entomologist – Fayetteville Technical Community College

Dr. John “Porter” Lillis Medical Sociology and Gerontology

Dr. Deborah Hanmer Botanist, Sustainable Agriculture
Krissy Smith Biology Instructor, Robeson Community College
Jesse Rouse Geographer/GIS specialist

**Science Teachers**

Anastasia Oxendine St Paul’s MS, Project Director

Kalo Haslem STEM specialist, Capitol Encore Academy

**Graduate Student**

Brittany Stokes MAT High School Graduate Student

 Graduate Research Assistant of Science Education

**Undergraduate Students**

Courtney Moore UNCP Campus Garden & Apiary Manager

Brandon Le UNCP Campus Garden & Apiary Intern
Brandon Herron UNCP Campus Garden & Apiary Intern
Abagail Canela UNCP Campus Garden & Apiary Intern
Josh Perry UNCP Campus Garden & Apiary Intern

Cody Eubanks UNCP Campus Garden & Apiary Intern
Sally Cook UNCP Campus Garden & Apiary Intern

**School System Liaisons**
Cumberland County Public Schools-Scott Grumelot
Bladen County Public Schools-David Wimert
Public Schools of Robeson County-Susan Miller-Hendrix
Richmond County Public Schools-Kelly DeLong

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| **2019** | **JAN 19** | **JAN 26** | **FEB 2** | **FEB 9** | **FEB 16** | **FEB 23** |
| **9:30** | IntroductionsGrant assessmentsBee/no bee quizText dependent reading activity using bee book | Ozobots by Kalo Haslem | STEM Careers presentation  | Make foldscopes and learn about pollen | **UNCP Science Fair** – outreach booth NO FORMAL KIG program but students can come and work at the booth and view the projects | Introduction to drones |
| **10:00** | Flying drones at the campus garden |
| **10:30** |
| **11:00** | Garden and Green house toursMake a native bee hut for your home | Aerial photographs and coding of ozobots | Introduction to Makey-makey – Kalo Haslem  | Create your own pollen slides – learn how to identify pollenCount pollen grains on honey slides |
| **11:30** |
| **12:00** |
| **12:30** |
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KIDS IN THE GARDEN PROGRAM – MIDDLE AND HIGH SCHOOL

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| **2019** | **MAR 2** | **MAR 9** | **MAR 16** | **MAR 23** | **MAR 30** |  |
| **9:30** | GIS work using Garden data | Garden visit to local farms | Field trip to Discovery Museum in Charlotte to see Bugfest exhibit | STEM Careers presentation | Field trip NCSU |  |
| **10:00** |  |
| **10:30** |
| **11:00** | Spring bee craft making | Interview local farmers and create a GIS storymap | Make a map using Makey-Makey software  |
| **11:30** |
| **12:00** |
| **12:30** |
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**KIDS IN THE GARDEN PROGRAM – MIDDLE AND HIGH SCHOOL**

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| **2019** | **JAN 26** | **FEB 23** | **MAR 23** | **APR 13** |
| **1:00** |  |  |  |  |
| **1:30** |
| **2:00** |
| **2:30** |  |  |  |  |
| **3:00** |
| **3:30** |
| **4:00** |
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**ELEMENTARY AFTERNOON PROGRAM – GRADES 3 – 5 – DR. CAMPBELL**

**CURRENT RESEARCH PROJECTS**

1. **Pollen in Honey – Dr. Martin Farley**
2. **Pollen and Bee Health –Dr. Campbell**
3. **Native Bees and Native Bee Houses –Dr. Campbell, Dr. Pilkay**
4. **GIS, Mapping, and Tracking Bees –Dr. Pilkay, Dr. Hagevik**