

Spring 2014 Internship Opportunity

Imani Christian Academy

Supervisor: Christine Carnevali

Imani Christian Academy is seeking an intern to collaborate on a ship-building project throughout the spring term. The intern will work closely with young adolescents (ages 10-17) on this cross-curricular (history, science, math, English, technology) project.

Key Questions

- Can we design a ship that floats using the natural resources available to a Viking, an Egyptian, or a boatman from Fiji in pre-Columbus eras?
- How do the natural resources in your environment play a role in how we live?
- In using these resources to potentially travel across oceans, can we find the value in

The intern should be prepared to work 6+ hours/week at Imani Christian Academy. Possible schedules include two days/week from 8:00-11:00AM or one day/week from 8:00 AM-3:00 PM. The exact schedule can be negotiated with Ms. Carnevali.



Imani Christian Academy is located on E Hills Drive in Pittsburgh.

For more information, contact:
chriscarnevali@comcast.net

SUSTAINS is also sponsoring a special topics course offered by

Mark Collins, *Director of the Environmental Studies Program*, University of Pittsburgh &

Shaun Tomaszewski, *Science Faculty* Mt. Lebanon High School, CCBC, CCAC

Household Systems Analysis Lab

GEOL 1904

(2 credits, no pre-req)

Wednesdays 6:00-7:50 PM

By nature, sustainability involves a systems approach. In addition to noting the inputs and outputs of energy and resources, the study of sustainability asks broader questions:

- How do we measure production and consumption?
- How do geography and socio-economic environment impact these things?
- How do we go beyond traditional measurements to quantify more comprehensive impacts and life-cycles?

Answering these larger questions begins on a smaller, personal scale: one's household. By examining energy and resource use in one's home or apartment, we can trace inputs and outputs to their source/destination, and begin to understand the complex web of production, distribution, delivery and environmental consequences of disposal. We can then investigate how these metrics change due to location and societal practices, as well as changes created through adoption of conservation and renewable energy.

SUSTAINS

STEM Undergraduate Students Teaching Adolescents about Innovation & Sustainability



<http://reccashay.tumblr.com/post/151935872>

Are you interested in **sustainability**?

Do you think you may be interested in **teaching young adolescents**?

Consider doing an **INTERNSHIP** in a local school to explore these interests!

For more information about the internship opportunities described here, how to register, and how to contact sponsors, contact

Dr. Meryl Lazar:
mklazar@pitt.edu
412-648-7210

Internship Goals

- To work with students in grades 4-8 on **projects** addressing **sustainability issues**.
- To build **real-world skills** through interactions with students, educators, and community members in a **professional setting**.
- To **explore career options** in education.

Time Commitment

1 credit — 40 hours/term
2 credits — 80 hours/term
3 credits — 120 hours/term

SPRING TERM 2014

Registration Options

CS (Computer Sciences) 1950
Daniel Mossé
mosse@cs.pitt.edu

CEE (Civil & Environmental Engineering) 1996
Melissa Bilec
mbilec@pitt.edu

ENVSTD (Environmental Studies) 1499
Mark Collins
pittenvst@yahoo.com

IL (Instruction & Learning) 2098
Jennifer Cartier
jcartier@pitt.edu

Spring 2014 Internship Opportunity

Manchester Academic Charter School



MACS is a nationally-recognized Blue Ribbon Charter School located on the north side of Pittsburgh.

The **Mascaro Center for Sustainable Innovation** (MCSI) has been working with MACS for several years, infusing sustainability into their curriculum.

Interns will have the opportunity to work with MACS science teachers, developing and assisting with science experiments & projects, and providing overall classroom support.

Additionally, interns can become involved in the **Future Cities** competition (<http://futurecity.org>).



Time on site is flexible – MACS will work with interns to establish a mutually beneficial schedule!

MACS is located on Liverpool Street on Pittsburgh's North Side.

For more information, contact:
mbilec@pitt.edu

Spring 2014 Internship Opportunity

Falk Laboratory School

Supervisors: Laura Tomokiyo, Lori Wertz, Eileen Coughlin

The Falk Laboratory School is seeking an intern to collaborate on two ongoing projects at the school:

Urban Gardening

Assist student in building 3-5 cold frames using recycled materials for an outdoor rooftop greenhouse. Work with students in CAD designing for future implementations.

Trail Project

Plan a presentation or learning activity for 7th grade students related to Designing for the Environment or Society and the Environment. Support ongoing trail building work using local and sustainable materials.



Being grounded in progressive education principles means the school community has a child-centered approach to learning that focuses on the social,

emotional and academic needs of each individual. It also means an emphasis on collaboration, intrinsic motivation, and active learning. Instruction revolves around an inquiry-based model that requires children to reflect upon and take ownership of their own

The intern should be prepared to work 6+ hours/week at Falk School. Available times are from 8:40 AM – 12:10 PM Monday – Friday.

The Falk Laboratory School is located on the University of Pittsburgh upper campus.

For more information, contact:
tomokiyo@pitt.edu