

The Franklin Institute

Youth Programs

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HART 420 Faculty Supervisors:

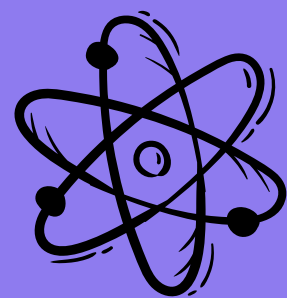
Monique Scott & Sylvia Houghteling

Field Supervisor: Carly Netting



Overview

The Franklin Institute (TFI) is a science museum that promotes the love of science through experiential, hands-on learning. I had the pleasure of working primarily with the Youth Programs team for my internship, but during my time I had the opportunity to speak with a wide range of TFI professionals. I learned more about how science museums function as an interactive space dedicated to inspiring the scientist in us all! I learned (1) how a museum can effectively partner with organizations to serve its local youth, (2) how vital departmental collaboration is to achieving project goals, and (3) how important it is to forge personal connections with the people you are engaging with in the community.



Who did I work with?

PACTS (Partnership for Achieving Careers in Technology and Science) → middle schoolers

- Biweekly scientific workshops

STEM Scholars → high school sophomores

- Weekly workshops with partner research institutions

Franklin Ambassadors → high school leadership

- Weekly career and college mentorship

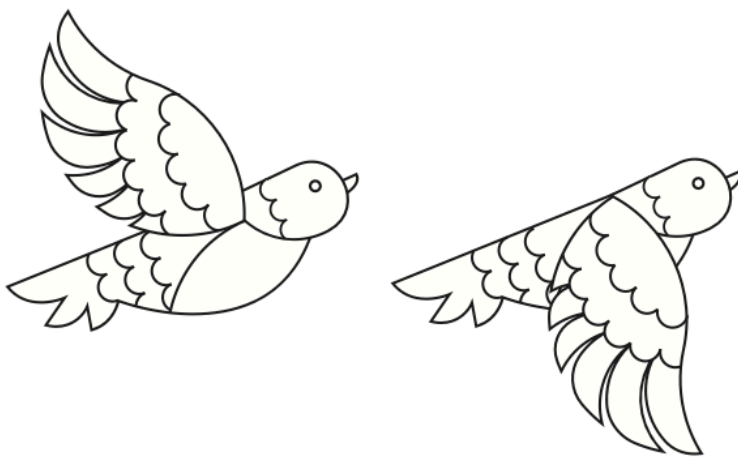


Flipbook Animation

Flipbooks work because of the **persistence of vision**. Your brain needs time to process each image you see. If new images appear before the first ones are finished processing, they will be stitched together into a single, changing image instead of separate ones.

Think back to your favorite cartoons and animated movies – these characters “move” based on the same idea!

Try flipping the pages of your book slower or faster. How fast do you have to flip to make it look like it’s moving?



Community Outreach: Neuroscience of Illusions

- Developed a set of 8 illusions complete with individual scientific explanation cards
- Collaborated with Design, Youth Programs, and Curriculum Development teams
- Introduced workshop at Smith Playground’s Play-a-Palooza
- Workshop will continue to be used as TFI’s outreach project for the next year

Franklin Ambassadors Projects

Resume-building workshop

- Created workshop for Ambassadors as part of their college and career prep workshop series

Neuroscience research lab visit

- Organized a field trip to my thesis lab for Ambassadors
- Ran Ambassadors as mock-participants and exposed them to electroencephalography technology

