

Biomimicry: Engaging & Inspiring Students While Linking Science, Engineering, & ELA



AUDIENCE: Educators interested in learning more about how Biomimicry can be integrated into current teaching practices

DATES: 10/27/2015 8:30 am - 3 pm

FACILITATOR: Dorna Schroeter, Coordinator P/NW BOCES Center for Environmental Education

LOCATION: Madden Outdoor Education - Kent Cliffs, NY

Are you looking for a way to inspire the next generation of world-builders - engineers, research scientists, chemists, architects, city planners? Biomimicry is a new discipline that offers teachers a compelling way to engage students of all ages and cross the boundaries traditionally found in education. It supports the goals of NGSS, CCLS and STEAM and offers solution-based thinking while inspiring young people with a sense of the possible. As a link between design (arts) and science, it offers a model of relevancy because it will be part of many of the jobs of the future when today's students are in the workforce. From elementary to high school, Biomimicry also provides a plethora of literature for linking ELA to science and the Reading Standards for Literature.

This workshop will focus on activities that will explore:

- How we view nature
- Biomimicry's Life Principles and why they are important
- Two design projects based on nature's design
- A bio-inspired engineering activity
- Bio-inspired product case studies

A walk-through of the Biomimicry Institute's new Educators Tool Kit and their website, ASKNATURE as well as the Putnam/Northern Westchester BOCES' Biomimicry Kit.

TO REGISTER:

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