

BIODIVERSITY PEEK

INQUIRY BASED STEAM LEARNING THAT LEAVES NO CHILD INSIDE

The *Biodiversity P.E.E.K.* (Photography Engaging and Empowering Kids) pre K–8 curriculum is:

- STEM + Art = STEAM !
- focused on the science standards of your classroom.
- fun enough to be used as an after school enrichment program.
- flexible to fit with the specific needs and opportunities of your site.

Biodiversity PEEK students spend time outside observing and wondering about the wild plants and animals we often overlook. *Biodiversity PEEK* kids do real, meaningful citizen-science using digital photography and an international database. Students' natural curiosity about how photography works is also piqued as they create art such as solar-prints, solve a ghostly mystery, re-invent photography by designing, building and tinkering with a camera-obscura, and construct a model to gain a hands-on understanding of how light functions in photography and vision.



Through a guided nature journal students develop their own questions, investigate/research some of these questions, share their findings and develop a feasible biodiversity project.

Biodiversity PEEK lessons are interdisciplinary, with a focus on natural science, art, engineering, reading and writing, math, and design.

Biodiversity PEEK Professional Development Workshops are:

- Co-led by the Education Director of The Biodiversity Group, Stephanie “Jo” Bowman, who has been creating and leading social art and conservation projects as well as international Biodiversity PEEK programs in the mud in New Zealand, Ecuador, Vietnam, Barbuda, and Arizona since 2009, after more than fifteen years in the truly gritty classroom trenches as a public school teacher.
- And, Dr. Summer Pisciotta, who is an expert in the field of curriculum development, instructional design and adult education. Summer bridges field science with students and educators in the classroom. Her public school teaching experience gives her empathy for teachers new to science and STEAM.
- Hands-on, down-to-earth, and fun *Biodiversity PEEK* activities, lessons, and tricks you can take back and use in your classroom to blow your students' minds with little cost for materials.

