

## **Missy Holzer, PhD**

*Trustee*

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Missy Holzer has been teaching high school science for more than 25 years and loves her job as more today than when she first started. Her philosophy in education includes using hands-on, minds-on investigative activities as a way to promote life-long learning in her students. She enjoys field research immensely and has assisted in data collection in places such as Svalbard, Nicaragua, Kenya, Ecuador, Jamaica, Costa Rica, off the coasts of Oregon, South Carolina, Cape Cod, and Chile. Back in the classroom she uses these field experiences to develop units of study that will inspire students to get out and explore their natural world.

Missy is the Past-President of National Earth Science Teachers Association, has served on many state and national committees, and presents at local, regional, and national conferences. She is a NASA SOFIA (Stratospheric Observatory for Infrared Astronomy) Ambassador and provides outreach for schools, education conferences, and astronomy clubs. She has master's degrees in science education and in geography, and a PhD in science education. She was on the writing team for the 2009 NJ Core Content Curriculum Standards for Science, participated on the NJ State Leadership Review Team for the Next Generation Science Standards (NGSS), and created units and assessments for the new NJ model curriculums in Earth, Space and Environmental Science. She enjoys assisting teachers in making the transition to the NGSS by offering workshops that immerse teachers in the transition process.