

# **George Meadows**

**Professor of Education at University of Mary Washington**

Fredericksburg, VA, US

Dr. Meadows researches the use of computer-related technology in the teaching of elementary science.

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## **Biography**

“Going local” isn’t just for produce anymore – University of Mary Washington Professor of Education George Meadows is taking a local approach to education.

The philosophy is called place-based education and it focuses on learning about science and technology through local resources and environments.

“[Elementary] students often will learn about things like the Amazon and very exciting environments like the desert and volcanoes, as well as exotic animals like whales, sharks and tigers,” said Dr. Meadows. “Place-based education would say instead of focusing on all of that, focus on what’s local. The animals and plants you see locally and understand how they live, how they interact with their environment, how they interact with one another, understand that first and then you can start learning about the more exotic examples and also have a better grounding to deal with some of the problems like global warming or endangered species.”

An expert in science education, educational technology and environmental education, Dr. Meadows is currently investigating the use of emerging technology such as 3-D design and printing and makerspaces in the teaching of science.

Dr. Meadows is a member of the National Association for Research in Science Teaching and the Association for the Advancement of Computing in Education. A review editor for the Journal of Research on Computing in Education, he has had articles published in the Journal of Research on Technology in Education, the International Journal of Instructional Media, the Journal of Mathematics and Science, and the Journal of Science Education and Technology.

He previously taught middle school mathematics and science, and also served as a geology professor at UKMS, National University of Malaysia, Sabah Campus for the Peace Corps. Dr. Meadows also worked for the U.S. Geological Survey and in the minerals industry (coal and uranium) for several years.

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## **Industry Expertise**

Education/Learning, Laboratory Services, Professional Training and Coaching, Research, Training and Development

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## **Areas of Expertise**

Educational Technology, Educational Research, Science Education, Instructional Technology, Environmental Education, Makerspaces in Schools

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## **Affiliations**

National Association for Research in Science Teaching : Member, Association for the Advancement of Computing in Education : Member, Journal of Research on Computing in Education : Review Editor

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## **Event Appearances**

### **Workshop Presentations**

STEM: Science with the Future in Mind Conference

### **Spotlight Presenter**

Spotsylvania County Schools Teaching Learning Leading Conference

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## **Education**

### **West Virginia University**

Ed.D. Curriculum and Instruction

### **Emory University**

M.Sc. Geology

### **Marshall University**

B.Sc. Geology

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