

# Kate Ewalt

## Professional STEM Educator

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(804) 731-0623

### EDUCATION

2015

#### **M.A. Curriculum & Development**

Integrated STEM Education  
Virginia Tech  
Blacksburg, VA

2002

#### **B.S. Biological Sciences**

Magna cum laude with University Honors  
Virginia Commonwealth University  
Richmond, VA

### CERTIFICATIONS

June 2018 – June 2023

Virginia Professional Teaching License – Biology Endorsement

June 2019 – June 2021

Google Certified Educator Level 2

April 2019 - Present

National Geographic Certified Educator

### OTHER SKILLS

Event Organization  
Budget Creation & Management  
Classroom Organization  
Data-Driven Instruction  
Professional Development  
Project Management  
Google Apps for Education  
Adobe Photoshop/Illustrator  
Video Creation

### SNAPSHOT

I am a dedicated educator and view the world as my classroom. I believe the purpose of education is to teach students how to learn, not just to memorize information. I craft targeted learning experiences supported by current research, and enjoy "crunching the numbers" to find and fill gaps in student understanding. As a department chair and conference presenter, I am passionate about leading fellow educators in their professional development.

### WORK EXPERIENCE

2005 - Present

#### **LIFE SCIENCE TEACHER & DEPARTMENT CHAIR** Colonial Heights Middle School

2004 - 2005

#### **OUTREACH EDUCATOR** Science Museum of Virginia

### EXPERIENCES OF NOTE

2020

Organizer of first annual Tri-Cities Regional STEAM & Literary Expo

2019

Organized CHMS STEM Family Activity Night  
Chesapeake Bay Foundation Mentor Teacher for CHPS Teachers on the Bay course

2015

Lead teacher 7<sup>th</sup> grade STEM curriculum design team

Since 2006

CHPS Gifted Advisory Council Member

2014 - 2018

STEM Advisory Committee CHPS

2011

Virginia Institute of Marine Science Chesapeake Bay Academy Field Course

2006 - 2009

Math/Science Innovation Center Nanotechnology Fellow and Fractal Fellow

# GRANTS, PUBLICATIONS, & PRESENTATIONS

2019

## **EdTechRVA**

Data Power Up and WePuzzle (EdPuzzle + WeVideo)

2018

## **Virginia Association of Science Teachers**

Educator Mini-Grant

2018

## **Colonial Heights Public Schools Professional Development Instructor**

Introduction to STEM Fair

2016

## **Colonial Heights Public Schools Summer Technology Institute**

YouTube Introduction and Pedagogy

2015

## **Virginia ASCD Annual Conference**

Deeper Learning: Interdisciplinary STEM unit planning

Oct 2015

## **Science Scope Article – NSTA Press**

*See Less Sea-Less Seagulls: Planning for an interdisciplinary STEM unit*

2008

## **Virginia Association of Science Teachers Annual Institute**

Fractals in the Classroom

2007

## **Colonial Heights Public Schools Professional Development Instructor**

Using Nature's Patterns to Teach Geometry & Algebra

2007

## **U.S. Army Quartermaster Museum and U.S. Army Petroleum and Water Department**

Curriculum Creator for on-site education program "Are You Going To Drink That?"

2003

## **National Association of Science Teachers Annual Conference**

CSI: Colonial Heights – a school-wide forensic encounters activity day



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