

# Nathan William Tubbs

Master Teacher, ATeach, Auburn University College of Education

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## Education:

Pace University (New York, NY)

2010 MST (Adolescent Education / Biology 7-12)

The Southern Baptist Theological Seminary (Louisville, KY)

2008 M.Div. (Missions, Evangelism & Church Growth)

Auburn University (Auburn, AL)

2005 B.S. (Marine Biology)

*Cum Laude, University Honors Scholar*

*Thesis: The Effects of Urbanization on the Diet of Redbreast Sunfish (Lepomis auritus)*

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## Certification:

New York State

Teacher Professional Certification, General Science (Biology), 7-12

Alabama State

Teacher Professional Certification, Secondary Biology 6-12

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## Professional Experience:

Auburn University, College of Education

2024-Present Clinical Lecturer / Master Teacher, AU Teach

The New York City Department of Education

2019-2024 7<sup>th</sup> Grade Science Teacher, PS/IS 30, the Mary White Ovington School

2018-2019 4<sup>th</sup>-8<sup>th</sup> Grade Software Engineering Program Teacher, PS/IS 30

2013-2018 6<sup>th</sup> Grade Science Teacher, PS/IS 30

2008-2013 7<sup>th</sup> Grade Science Teacher, IS 220, the John J. Pershing School

NIA Community Services Network, PS/IS 30 Afterschool Program

2013-2024 Program Instructor (Graphic Novel Design, Coding, Wood-Working, 3D Printing)

United States Air Force Reserves

2022-Present Chaplain, Space Launch Delta 45, Patrick Space Force Base, FL

2022-2024 Chaplain, Air Force ROTC Field Training, Maxwell Air Force Base, AL

2017-2022 Chaplain, 316<sup>th</sup> Wing, Joint Base Andrews, MD

Cornerstone Church at Bay Ridge

2012-2024 Founding Pastor

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## University Teaching:

Fall 2024

- CTSE 1000 - Inquiry Approaches to Science Teaching: Step 1
- CTSE 2500 - Inquiry Approaches to Science Teaching: Combined Step 1 and 2 (2 Sections)

Spring 2025

- CTSE 1000 - Inquiry Approaches to Science Teaching: Step 1
- CTSE 2500 - Inquiry Approaches to Science Teaching: Combined Step 1 and 2
- SCMH 3010 - Inquiry Experiences for Science Teachers

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## Publications:

Helms, B.; Bickford, N.; **Tubbs, N.**; Feminella, J. (2018) Feeding, growth, and trophic position of redbreast sunfish (*Lepomis auritus*) in watersheds of differing land cover in the lower Piedmont, USA. *Urban Ecosystems Journal*, 21, 107-117.

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## Selected Presentations:

McVay, M; **Tubbs, N.** (2025). Shedding Light on Physical Science: Exploring Distance with Real-Time Data Using PocketLabs Presented at the Alabama Science Teachers Association Conference, Vestavia Hills, Alabama.

Blough, A.; Fetterhoff, A.; Hubbard, L.; **Tubbs, Nathan W.**; *et al.* (2025). Space Educators for Earth Share-a-Thon. Presented at the Space Exploration Educators Conference, Houston, Texas.

**Tubbs, Nathan W.** (2025). Coding for Human Spaceflight: Free Resources to Teach Entry-Level Coding Skills. Presented at the Space Exploration Educators Conference, Houston, Texas.

**Tubbs, Nathan W.** (2022). Sensors for Space Exploration: An Introduction to Arduino-Based Coding and Microcontrollers. Presented at the Space Exploration Educators Conference, Houston, Texas.

**Tubbs, Nathan W.** (2021). Sensors for Space Exploration: An Introduction to Arduino-Based Coding and Microcontrollers. Presented at the Space Exploration Educators Conference, Online/Virtual.

**Tubbs, Nathan W.** (2020). Designing 3D Space Stations: Using Tinkercad to Create Scale Models of Spacecraft. Presented at the Space Exploration Educators Conference, Houston, Texas.

Blough, A.; Fetterhoff, A.; Gamba, R.; Swartzendruber, M.; **Tubbs, N.**; Wilkinson, M. (2019). Small Steps, Expanding Frontiers: Implementing Classroom Activities to Support Learning about the Apollo Missions. Presented at the Space Exploration Educators Conference, Houston, Texas.

Banaszak, M.; **Tubbs, N.**; Weaver, J. (2013). Using Comics and Graphic Novels in the Classroom: Whys and Hows. Presented at the New York City Comic Con, New York, New York.

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## Invited Talks and Guest Lectures:

**Tubbs, Nathan W.** (2024). *STEM to Space: My Career in the United States Air and Space Forces*. Presented to students at Hartselle High School, Hartselle, Alabama.

**Tubbs, Nathan W.** (2024). *STEM to Space: STEM Career Pathways in the United States Air and Space Forces*. Presented to students at Serrano Intermediate School, Lake Forest, California.

**Tubbs, Nathan W.** (2023). *STEM to Space: STEM Careers and Destination Mars*. Presented to gifted students at Lockmar Elementary School, Palm Bay, Florida.

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## Awarded Grants:

Verizon STEM Grant for PS/IS 30 Mary White Ovington; Brooklyn, NY; December 2014; \$20,000

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## Additional Education:

National Security Space Institute, United States Space Force:  
2024 Introduction to Space, Class 24D

Air University, United States Air Force  
2021 Squadron Officer School, Class 21G  
2019 Basic Chaplain Course, Class 19B  
2018 Commissioned Officer Training, Class 18-03

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## Affiliations:

NASA/Jet Propulsion Laboratory, Solar System Ambassador (2017-Present)  
Space Center Houston, Space Educator Expedition Crew (2017-Present)  
ISS National Laboratory, Space Station Ambassador (2017-Present)  
Space Foundation, International Teacher Liaison (2018-Present)  
National Science Teachers Association (2024-Present)  
Auburn University Veterans Employee Network (2024-Present)  
Alabama Science Teachers Association (2025-Present)

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