

## FRANCES A. HAMILTON

Coordinator of Field and Clinical Experiences  
University of Alabama in Huntsville  
Roberts Hall, Room 301 | 256-824-2973 | Frances.Hamilton@uah.edu

### EDUCATION

Middle Tennessee State University, Murfreesboro, TN  
**Ed. S. Curriculum and Instruction** **2013**

Tennessee State University, Nashville, TN  
**M.A. Administration and Supervision** **2008**

Athens State University, Athens, AL  
**B.S. Education** **1999**  
Areas of Concentration: Elementary Education and Early Childhood Education

### AWARDS

National Association of GeoScience Teachers  
Tennessee Outstanding Earth Science Teacher 2009  
Tennessee Science Teachers Association Teacher of the Year Grades 5-8 2008  
Blanche School Teacher of the Year 2004 – 2005  
Lincoln County Middle School Teacher of the Year 2004 – 2005  
Lincoln County Distinguished Classroom Educator (all grades) 2004 – 2005  
Oceans Alive (took 3 students to sea-one of 8 teachers selected in the nation) 2004  
Sea Scholar (one of 13 chosen nation-wide to go to sea) 2000  
Who's Who Among America's Teachers  
Apple for the Teacher Award Nominee

### EDUCATIONAL WORK EXPERIENCE

University of Alabama in Huntsville, Huntsville, AL  
**Coordinator of Field and Clinical Experiences**  
Responsibilities include coordinating field and clinical experiences and acting as point of contact and mentor to first year teachers. **2014-present**

Ralph Askins Elementary School, Fayetteville, TN  
**Assistant Principal-Curriculum** **2012-2014**  
Responsibilities included testing coordinator for benchmark testing, analyze (school and system) data, review lesson plans, conduct teacher evaluations, mentor teachers, model lessons, provide professional development on common core and science standards (science for system), and head of Response to Intervention team. An annex was added to our school (2013) in which I was the administrator maintaining the building, including taking care of discipline issues.

Ralph Askins Elementary School, Fayetteville, TN  
**Instructional Coach** **2010-2012**

Responsibilities included School Improvement Plan chair, testing coordinator for building (TCAP, CRA, and benchmark), analyze data, mentored teachers, guided teachers through teacher evaluation process

Tennessee Department of Education

**Science Consultant**

**2013-present**

Responsibilities include reviewing TCAP items, Biology and Chemistry EOC items, creating user guides for Institute for Learning units, answering questions from TNCore site. I am currently leading 12 science teachers in writing user guides for science units. I am on the writing team for the new Tennessee State Science Standards.

Highland Rim Elementary School

**Middle School Science Teacher**

**2009-2010**

Responsibilities included planning instruction and analyzed data for grades 7-8

Blanche School, Taft, TN

**Middle School Science Teacher**

**2003-2009**

Responsibilities included science chair, planned instruction, and analyzed data as well as organized annual Rocket Day, bridge building competition, and science fair (also organized county science fair two years), assistant volleyball coach, academic team coach, and LEO club sponsor.

Blanche School, Taft, TN

**Sixth Grade Teacher**

**1999-2003**

Responsibilities included self-contained classroom, planned and taught all subjects except Social Studies.

RELATED EDUCATIONAL WORK EXPERIENCE

Reviewed Math and Science Partnership Grants at TDOE

Sept. 2014

Next Generation Science Standards

**Lead for Draft Review Team**

**2011 – 2013**

Responsibilities include collecting data from state-wide surveys and compiling a report, along with Science Coordinator at the Tennessee Department of Education, and submitting reports to Achieve.

Tennessee Educators of Aquatic and Marine Science

**Program Director**

**2006-2013**

Responsibilities include planning annual spring conference (location, lodging, food, workshop presenters, etc.) and planning TEAMS sessions at annual Tennessee Science Teachers Association (TSTA) conference. Scheduled 120 sessions with presenters from all over the world during our 2010 NMEA national conference in Gatlinburg. Middle Tennessee representative from 2002-2005.

TNCore

**Common Core Coach in Literacy-Science**

**2013-2014**

Responsibilities include training of middle school science teachers on common core state standards.

Pearson

**TCAP Item Reviewer**

**2011 – 2013**

Responsibilities include reviewing TCAP test items. Reviewed for TCAP and MAAS.

AdvancEd

**Team Member**

**2011-2012**

Responsibilities included AdvancEd (SACS) visits to schools in Tennessee. Reviewed mainly the Teaching and Learning component, but also data analysis and others.

Tennessee Curriculum Center

**Contributor**

**2011-2012**

Responsibilities included locating and submitting resources for middle school science.

Project Citizen Curriculum for Tennessee Department of Education

**Science Representative**

**2007-2008**

Responsibilities included giving information and feedback regarding science aspects of the curriculum as it was designed and written.

Blanche School

**Chair for TSIPP**

**2007-2008**

Responsibilities included chair of the school improvement plan for the year.

UTMartin IMEGS

**Master Teacher**

**2006**

Responsibilities included taking information given to participants by the professors and instructing how to use the information in the classroom.

Lincoln County Schools "So You Want To Be an Administrator" Program

**Participant**

**2006-2009**

Enrolled in a three year administrators program through central office.

CTB Item Review

**TCAP Item Reviewer**

**2004**

Reviewed Items for middle school science.

Ocean Science 2000

**Participant**

**2000**

One of 25 selected to travel to Biloxi, Mississippi for water studies.

TEA Summer Leadership Academy

**Participant**

**2000**

TEA Representative Assembly

**Representative****2000-2003  
2005, 2007-2009**

## PUBLICATIONS AND PAPERS/PRESENTATIONS

Hamilton, F. & Royle, P. (2009). Teaching Evolution, *84*(1-2), 13-35.  
 Abstract retrieved from Abstracts in Journal of the Tennessee Academy of Science.  
 Presentation at the 2008 (118<sup>th</sup>) annual meeting of the Tennessee Academy of  
 Science, Nashville, TN 2008

Hamilton, F. (2007). The Evolution of a Teacher's Teaching of Evolution,  
[https://gsa.confex.com/gsa/2007SE/finalprogram/abstract\\_119288.htm](https://gsa.confex.com/gsa/2007SE/finalprogram/abstract_119288.htm)  
 (Accession No. 119288)  
 Presentation from The Geological Society of America 56<sup>th</sup> annual meeting of  
 Southeastern Section, Savannah, GA 2007

Crews, L., Gibson, M. & Hamilton, F. (2007). Infusion of Integrated  
 Earth and Planetary Science Activities Into Middle School Curricula:  
 A Selection of the Best Practices From the IMEGS Program,  
[https://gsa.confex.com/gsa/2007se/finalprogram/abstract\\_119140.htm](https://gsa.confex.com/gsa/2007se/finalprogram/abstract_119140.htm)  
 (accession no. 119288) 2007  
 Presentation from The Geological Society of America 56<sup>th</sup> annual meeting of  
 Southeastern Section, Savannah, GA

Vinson, B.M. (2004). Mathematics in the Preschool and Primary Grades.  
*Colorado Spring, CO: Innovative Learning Concepts, Inc.*  
 Contributed Chapter 9 Measurement 2004

## PRESENTATIONS

Hamilton, F. & McClain, L. (2006). Tennessee Under the Sea 4-8. TSTA Conference,  
 Nashville, TN.

Hamilton, F. (2006). Aquatic Science in a Tub Grades 6-8. TEAMS Conference,  
 Gatlinburg, TN.

Forrester, T., Hamilton, F., & Thompson, C. (2007). Beach Box: Ocean Science for Grades K-8.  
 TSTA Conference, Nashville, TN.

Hamilton, F. (2007). TEAMS Meeting. TSTA Conference, Nashville, TN.

Hamilton, F. (2007). Teaching Water Science Using Tubs. TEAMS Spring Conference,  
 Brandon Springs, TN.

Hamilton, F. & Livingston, K. (2007). A Watered Down Topographic Map Grades 6-8.  
 TEAMS Conference, Brandon Springs, TN.

Cox, B., Franks, R., & Hamilton, F. (2007). IMEGS: Expanding Knowledge, Exercising Skills, Enhancing Confidence  
 Poster Session. NMEA Conference, Portland, Maine.

Hamilton, F. (2008). Caves! TEAMS Spring Conference. Chattanooga, TN.

Hamilton, F., & Thompson, C. (2008). Mini-Beach Box: Ocean Science for Grades K-8. TSTA Conference, Nashville, TN.

Hamilton, F. (2008). Ocean Currents. TSTA Conference, Nashville, TN.

Byrne, B., Crews, L., & Hamilton, F., et. al. (2008). TEST: Lost in Space? We'll Help You Find Your Way. TSTA Conference, Nashville, TN.

Hamilton, F. (2010). Interactive (and I do mean interactive) Notebooks. Lincoln County In-Service, Fayetteville, TN.

Hamilton, F. (2010). Foldables. TEAMS Spring Conference, Gatlinburg, TN.

Hamilton, F., Thompson, C. (2011). Beach Box. TSTA Conference, Murfreesboro, TN.

Anderson, T., & Hamilton, F. (2012). Bumping Up Beach Box: Secrets of a Sea Star and Parts of a Wave Foldables. TSTA Conference, Murfreesboro, TN.

Hamilton, F., Livingston, K., & Thompson, C. (2012). Sea Shells. TSTA Conference, Murfreesboro, TN.

#### EDUCATIONAL TRAVEL EXPERIENCES

Achieve-Next Generation Science Standards Adoption Meeting (2013) California

NMEA (2012) Alaska

NMEA (2010) Tennessee

NMEA (2009) California

NMEA (2008) Georgia

NMEA (2007) Maine

UTMartin IMEGS Physical Science (2006)

Dauphin Island Sea Lab (2006)

Space Camp Huntsville Space and Rocket Center (2006)

UTMartin IMEGS Earth and Planetary Science (2005)

UTMartin IMEGS Life Science (2005)

#### GRANTS

NREA Mini Grant (2002). National Rural Electric Cooperatives Association. \$500

TEAMS Mini Grant (2006). Tennessee Educators of Aquatic and Marine Science \$100

TEAMS Mini Grant (2007). Tennessee Educators of Aquatic and Marine Science \$100

NMEA Conference Scholarship Award (2007). National Marine Educators Association \$500

TEA Space Grant (2009). Tennessee Educators Association Space Grant \$1000

NMEA Conference Scholarship Award (2012). National Marine Educators Association \$500

#### MEMBERSHIPS

Tennessee Educators of Aquatic and Marine Science (TEAMS)

Enrolled 2000

Tennessee Earth Science Teachers (TEST)	2001
Tennessee Science Teachers Association (TSTA)	1999
National Marine Educators Association (NMEA)	2005
National Science Teachers Association (NSTA)	2005
Tennessee Academy of Science (TAS)	2008
Geological Society of America (GSA)	2007