

## Curriculum Vitae

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### EDUCATION and DEGREES

#### **Ball State University, Muncie, Indiana**

Non-Degree Graduate Program in Biology for Dual Credit Renewal, Current

#### **Indiana University-Purdue University, Indianapolis, Indiana**

Computer Endorsement, August 15, 1999

#### **University of Southern Indiana, Evansville, Indiana**

Master of Science in Secondary Education, August 29, 1994

Dean's List

#### **Ball State University, Muncie, Indiana**

Bachelor of Science, May 5, 1989

Teaching Major in Science

Primary Area in Biology

Supporting Area in Earth and Space Science

Dean's List

#### **Bluffton High School, Bluffton, Indiana**

Graduation, June 5, 1984

### ACCREDITATIONS

State of Indiana Teacher's License

#### **Master of Science in Secondary Education**

#### **Secondary-Standard, Basis Rules 46-47**

**Biology:** Primary Area (9-12)

**Earth Space Science:** Supporting Area (9-12)

**Computer:** Endorsement (K-12)

### TEACHING EXPERIENCES and INVOLVMENTS

August 2000 - Current:

#### **Southern Wells Junior Senior High School, Poneto, Indiana**

Teacher, New Teacher Mentor, Biology Club Sponsor, National Honors Society Advisor, and Various Committees; Adjunct Dual Credit Factually Member (Ball State University, Muncie, Indiana)

**Courses Taught:** Advanced Biology (Dual Credit), Anatomy and Physiology (Dual Credit), Botany/Zoology (Dual Credit), Biological Research, Bio-Ethics, General Biology, and Earth and Space Science.

August 1996 to June 2000:

#### **Cardinal Ritter High School, Indianapolis, Indiana**

Teacher, Department Chair, Sponsor, and Various Committees

**Courses Taught:** Advanced Biology, Biological Research, Bio-Ethics, Anatomy and Physiology, Honors Biology III, General Biology II, Botany and Ecology, Environmental Science, Earth and Space Science, and Computer Applications.

August 1995 to June 1996:

**Hamilton Southeastern High School, Fishers, Indiana**

Teacher and Various Committees

**Courses Taught:** Physical Science and General Science

October 1994 to June 1995

**Indiana Vocational Technology College, Evansville, Indiana**

Teacher

Faculty for Adult Computer Literacy Instruction and Lab

August 1989 to June 1995

**Mount Vernon High School, Mount Vernon, Indiana**

Teacher, Swimming Coach, Sponsor, and Various Committees

**Courses Taught:** Advanced Biology, General Biology, and General Science

**EXTRA-CURRICULAR STUDENT RELATED ACTIVITIES**

National Honors Society Sponsor at Southern Wells High School from September 1 - Current

Biology Club Sponsor at Southern Wells High School from August 10 – Current

PEERS Project, “Abstinence Club” Sponsor from August 2005 – May 2007

Southern Wells Academic Team Co-Sponsor and Sponsor from September 2000 – October 2004

Mini Medical School Program and Presentations at Indiana University-Purdue Campus from October 1999- April 2000

Brain Game and White River Academic League Sponsor at Cardinal Ritter High School from September 1996 – May 2000; Including Indianapolis White River Academic Team Championship, WTHR Channel 13 Semi-finalist, State and National Qualifiers and Participation.

Science Club Co-Sponsor at Cardinal Ritter High School from October 1998 – May 1999

Science Club Sponsor at Mount Vernon High School from August 1991 – May 1992

Boys and Girls Swimming Team Coach at Mount Vernon High School from August 1989 – February 1991; Including Big 8 Conference Championships and State Qualifiers and Participation.

**PROFESSIONAL ACTIVITIES and ACKNOWLEDGMENTS**

**Workshops Attended:**

Galapagos Islands Field Expedition, Ecuador, South American, March 9-19, 2016

Science Teachers’ Enrichment Program, National Tropical Botanical Garden, Kauai, Hawaii, June 29-July 12, 2015

Differentiating Instruction, EdD Carol Tomlinson, University of Virginia, July 8-12, 2013

Redefining Supervision of Student Teachers, Ball State University, August 2, 2010

Understanding Poverty, Dr. Ruby Payne Workshop Santa Fe, New Mexico, June 16-20, 2008

Blogging the Research Process Workshop, Region 8 Education Service Center, January, 2007

Career and Technical Education Workshop, Indiana Career Pathways, February, 2001

Assessment Workshop, Rubrics for Assessment, April, 1999

Assessment Workshop, Proper Assessment Strategies for Teachers and Students, October, 1998

Science Proficiency Guide Workshop, Science Curriculum Information, November, 1997

Project Wild Workshop. Supplementary Environment and Conservation Program, February, 1996

Wetlands Workshop. Integrated Biological Curriculum and Field Work, September, 1995

**Webmaster:**

Southern Wells Corporation Website Designer and Manager, Fall 2000 - 2013

**Committees Served:**

Southern Wells Junior Senior High School: Academic Recognition, Teacher Evaluation, Teacher Negotiation, Coordinated School Health Planning, and Building and District Level Technology Committees.

Cardinal Ritter High School: PBA Correlate Team, Building Level Technology, Teacher Mentoring Program, National Honor Society, and Block Scheduling Committees.

Hamilton Southeastern High School: Building Level Technology and Block Scheduling Committees.

Mount Vernon High School: Building Level and District Level Technology, Science Department Book Adoption, and Social Committees.

**Participations:**

Hoosier Association of Science Teachers, Incorporated (HASTI), Proposal review committee for annual convention topics, lectures, and workshops, 2016 –Current

Beginning Teacher Mentoring Program; Support, supervision, and evaluation of new teachers in accordance to the 2-year residency program set by the state of Indiana, 2005 – Current

Hoosier Association of Science Teachers, Incorporated (HASTI) Convention; Conference, workshops, and numerous presentations on science and education, Indianapolis, Indiana, 1989 – Current.

Southern Wells Curriculum Mapping and Development, Outlining course goals and objectives for all biology courses, 2017

Indiana Master Naturalist Program and Certification, 2014

Indiana Association of Biology Teachers President Elect, President, and Past President, 2013 – 2016

Ball State University Student Teacher Supervisor; Guiding and instructing a student teacher in the areas education and life science, 2010 - 2011

Indiana Wesleyan University Graduate Studies in Education Mentor; Conferences, observations, and reporting activities over a candidate's Master of Education course of study, 2008 - 2010

Indiana Outdoors by Ball State University; Video presentation of the Southern Wells Rivers and Streams Project, 2002.

Technology Associates Program; Provides a cadre of educators throughout Indiana to be made available to present requested technology-related workshops to teachers, 1999.

Central Indiana Educational Service Center, Internship in the areas of professional development, technology services, consultant services, media services, and hardware maintenance as cooperative educational services for central Indiana, 1999

Technology In-service Day at Cardinal Ritter High School; Various software and hardware discussion for in-class use, May, 1998.

Teacher Candidate Interview Day at Indiana University; Assisted in Recruiting Prospective Teachers, April, 1997.

North Central Association Visitation Team Member, Review and Recommendations made for North Central Association Membership for Forest Park High School, October, 1997.

Indiana Summer Institute for Technology, Course sponsored by Indiana University Purdue University of Indianapolis at Plainfield High School, July, 1996

**RECOGNITIONS**

**Certifications:**

Adjunct Faculty for a College Transition Program for Dual Credit Certification, August 1, 11-Current, Ball State University, Muncie, Indiana

Indiana Master Naturalist, May 20, 2014, Department of Natural Resources, Indiana

Adjunct Faculty for a School-Based Program for Concurrent Credit Certification, August 31, 2007-June 1, 2011, Indiana-Purdue of Fort Wayne, Indiana

Beginning Teacher Mentor Certification, May 19, 2005, Region 8 Education Service Center of Northeast Indiana, Fort Wayne, Indiana

#### **Awards and Honors:**

Tri-Kappa Classroom Grant, *Chick-in-a-Cup*, October 7, 2016

Wells County Foundation Creativity Grant Award, *Tissue Trek*, May 1, 2016

Excellence in Education Award, Spotlighting Exceptional Teachers in Community, March 20, 2015

Clyde Motts Award for Innovative High School Science Teaching, by the Hoosier Association of Science Teachers, Inc., February 4, 2016

Wells County Foundation Creativity Grant Award, *Boo-ology*, May 1, 2015

Wells County Foundation Creativity Grant Award, *Cyber Science*, June 1, 2014

Wells County Foundation Creativity Grant Award, *Probing for Biotechnology*, November 21, 2013

Wells County Foundation Creativity Grant Award, *BioBot*, June 28, 2013

“We Are Teachers” Fisher Science Education Teaching Grant Finalist, April 23, 2013

Wells County Foundation Creativity Grant Award, *Amazing “Human” Race*, October 12, 2012

Neil Campbell Fellows Award, October 2, 2012

National Association of Biology Teacher’s (NABT) Outstanding Biology Teacher of the Year Award for the State of Indiana, May 10, 2012.

Earth Space Picture of the Day Honor, “*Hibiscus trionum*”, December 23, 2012

Wells County Foundation Creativity Grant Award, *Web-of-Life Research Project*, December 1, 2011.

Wells County Foundation Creativity Grant Award, *Online Biology Courses Club*, November 24, 2010.

EDS Technology Grant Awarded by EDS Indianapolis Accounts, April 17, 2008.

Who's Who Among America's Teachers, 10th., February, 2006.

Bright Ideas Grant Award by Vectren Corporation, November, 2004.

Who's Who Among America's Teachers, 7th ed., March, 2002.

Unsung Heroes Grant Award by ING Northern Annuity, August, 2002.

Center for Interactive Learning and Collaboration Grant Award by CILC, December, 2001

Who's Who Among America's Teachers, 6th ed., January, 2000.

Mini Medical School Student Participation Award by Indiana University, December, 1999.

Nominated for the Presidential Award for Excellence in Mathematics and Science Teaching, January; 1999, 2000

Nominated for the Indiana Computer Educators Award in Science and Mathematics, September, 1999

Certificate of Achievement as an Honorary Cyber Teacher by the Central Indiana Educational Service Center of Indianapolis, August, 1999

Nominated and Participated in the Exemplary Technology-Using Teacher CDROM Project by Purdue University, School of Education, October, 1998.

Bio-Technology Related Grant Award by Eli Lilly, July, 1998.

Teacher Grant Award by Eli Lilly, May, 1998.

Total Catholic Education Endowment Grant Award by Archdiocese of Indianapolis, April, 1998.

Nominated for the Outstanding Biology Teacher Award by the National Association of Biology Teachers, January, 1997, 1998.

Who's Who Among America's Teachers, 3rd ed., February, 1994.

**Presentations:**

- Indiana Master Naturalist Presenter on Mammals, DNR and Purdue Extension Sponsored, Indiana 2015 – Current
- Institute for Educational Development, 101 Best Strategies to Increase Student Learning and Motivation in Biology/Life Science (Grades 6-12), NH, RI, and NJ, 2017
- Hoosier Association of Science Teachers Annual Convention Presenter on Evolution Demonstrations, Activities, and Lab in the Biology Classroom, Indianapolis, Indiana, 2016
- Hoosier Association of Science Teachers Annual Convention Presenter on Manipulative and Demonstrations in the Science Classroom, Indianapolis, Indiana, 2016
- Hoosier Association of Science Teachers Annual Convention Presenter on Natural Selection and an Activity to Simulate Darwin's Finches, Indianapolis, Indiana, 2013.
- National Science Teacher Association Convention Presenter on Anatomy and Physiology Labs and Activities, Indianapolis, Indiana 2012
- Hoosier Association of Science Teachers Annual Convention Presenter on Monohybrid and Dihybrid Activities and Introducing Entomophagy, Indianapolis, Indiana, 2010.
- Area School Workshop and In-Service Presenter on What Makes a Classroom Webpage and Creating a Webquest, Bluffton High School, Bluffton, Indiana, 2009.
- Hoosier Association of Science Teachers Annual Convention Presenter on Using Analogies and Models to Understand Cell Structures, Indianapolis, Indiana, 2009.
- Hoosier Association of Science Teachers Annual Convention Presenter on Motivating Students with Biology Business and Award Cards, Indianapolis, Indiana, 2008.
- Hoosier Association of Science Teachers Annual Convention Presenter on Anatomical and Physiological Video Resources on Human Surgeries, Indianapolis, Indiana, 2007.
- National Association of Biology Teachers Annual Convention Presenter on Extracting DNA from Human Epithelial Cells, Cincinnati, Ohio, 2002.
- National Association of Biology Teachers Annual Convention Presenter on Modeling Monohybrids and Dihybrids, Palais des Congres de Montreal, Canada, 2001.
- Hoosier Association of Science Teachers 30th Annual Convention Presenter on Extracting DNA and proteins, Indianapolis, Indiana, February, 2000.
- Instructional Workshop for Indiana Educators Sponsored by the Indiana Department of Education on Designing a Webquest, Indianapolis, Indiana, July, 1999.
- National Science Teacher Association National Convention Presenter on Chronobiology, Las Vegas, Nevada, April, 1998.
- Cardinal Ritter High School on Block Scheduling, Indianapolis, Indiana, February, 1997.
- Hoosier Association of Science Teachers 26th Annual Convention Presenter on Bio-ethics, Indianapolis, Indiana, February, 1996.
- Hoosier Association of Science Teachers 25th Annual Convention Presenter on Biochemistry Labs for the Classroom, Indianapolis, Indiana, February, 1995.
- Society of Educators and Scholars 17th Annual Conference Presenter on Developing an Integrative Curricula, University of Southern Indiana, May, 1994.

**Publications:**

- DNA Replication Activity Modeling a Replica of DNA in Somatic Cells, *The Hoosier Science Teacher*, Volume 38, No.3, Spring, 2013 (pp.109-111), Indiana State University, Terre Haute, Indiana.
- Sycamore (*Platanus occidentalis*) Fruit Photo for Front Cover of the American Biology Teacher Journal, *The American Biology Teacher*, Volume 73, No. 7, September, 2011.
- Extracting DNA from Human Cheek Cells, *The Hoosier Science Teacher*, Volume 29, No. 3, Spring, 2004 (p.85), Indiana State University, Terre Haute, Indiana.
- Our Internal Timepiece, *The Hoosier Science Teacher*, Volume 25, No.1, September, 1999 (pp.23-27), Indiana State University,

Terre Haute, Indiana.

The Organic Breakfast Lab, *The Hoosier Science Teacher*, Volume 21, No. 2, December, 1995 (pp. 53-55), Indiana State University, Terre Haute, Indiana.

Making Reading in Science Motivational, *The Hoosier Science Teacher*, Volume 21, No. 1, September, 1995 (pp. 25-29), Indiana State University, Terre Haute, Indiana.

## **ORGANIZATIONS**

Hoosier Association of Science Teachers Incorporated

Indiana Association of Biology Teachers

National Association of Biology Teachers

National Association of Science Teachers

Therapy Dog International, Community Service Helping Students and Children with Literacy

## **OTHER**

Classroom Website: [www.rm118.com](http://www.rm118.com)

Galapagos Blog: Galapagos Islands Field Expedition, Ecuador, South American: <http://teachertravelergalapagos.blogspot.com>

Webmaster: Web Designer and Manager for the Indiana Association of Biology Teachers Website: <https://sites.google.com/site/indianabiologyteachers>

## **REFERENCES**

Southern Wells Junior Senior High School, Kyle Jarman (Principal), 9120 South 300 West, Poneto, Indiana 46781,  
(765) 728-5534