**Heather Cain Corban**

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**LICENSE**

**Tennessee Professional License** #000247552 Endorsement: 415 Biology 7-12 Expires August 31, 2027

**EDUCATION**

**Middle Tennessee State University**, Murfreesboro, TN: Master of Science in Teaching, Biology major, May 2004

**Middle Tennessee State University**, Murfreesboro, TN: Bachelor of Science, Biology major, Chemistry minor, May 1997

**Vassar College**, Poughkeepsie, NY: Coursework, 1992-1993

**EMPLOYMENT**

2017-present *Master Teacher,* **Middle Tennessee State University,** Murfreesboro, TN

Teaching MTeach courses including:

MSE 1010 Step 1: Inquiry Approaches to Teaching

YOED 3520 Knowing and Learning in Science and Mathematics

YOED 3550 Classroom Interactions in Mathematics and Science

YOED 4400 Residency II

Taught Biology course

BIOL 3000 Life Science for Elementary Teachers

2016 -present *AP Reader*, **Educational Testing Service**, Princeton, NJ

Read and score essays on the Advanced Placement Biology Exam

Hired for the 2016 Exam Re-hired for the 2017 and 2018 Exams

2011-2017 *Biology Teacher*, **Central Magnet School,** Murfreesboro, TN

Teaching Advanced Placement Biology, Advanced Placement Environmental Science, Advanced Honors Biology, and Honors Biology

Tennis Coach 2011-2013

Science Olympiad Sponsor and Coach 2013-2016

2007-2011 *Coordinated School Health Supervisor*, **Rutherford County Board**

**of Education**, Murfreesboro, TN

Collaborated with school system faculty, staff and community partners to provide health programs for Rutherford County Students.

Maintained budget expenditures.

Wrote grants related to improving the health of students.

Designed and implemented teacher trainings on health education and integrating physical activities in academic lessons.

Supervised three employees

2004-2007 *Science Teacher*, **Wilson Central High School**, Lebanon,

TN

Taught Advanced Placement Biology, Standard and Honors Biology, Nutrition Science, Life Science, Astronomy, and Geometry.

2002-2003 Graduate Teaching Assistant, **Middle Tennessee State University**,

1997-1998 Murfreesboro, TN

Taught introductory Biology laboratories:

BIOL 1031 Exploring Life Lab

BIOL 1111 General Biology I Lab

BIOL 1121 General Biology II Lab

**AWARDS**

**Award**, Claes Nobel Educator of Distinction Award, National Society of High School Scholars, May 2007

**Leadership**, Biotechnology Teacher-Leader, April 2006

**Award**, Educational Testing Service (ETS) Recognition of Excellence, Praxis Series Principles of Learning and Teaching 7-12 Test, January 2004

**Award**, ETS Recognition of Excellence, Praxis Biology Content Knowledge Test, November 2003

**Award**, Outstanding Graduate Teaching Assistant, Middle Tennessee State University (MTSU), Murfreesboro, TN, 2003

**Scholarship**, Outstanding Student in Biology, Chemistry, or Mathematics, MTSU, February 1996

**Scholarship**, MTSU McClary Biology Scholarship, May 1996

**Grant**, MTSU Undergraduate Research Grant, 1995

**Scholarship**, MTSU Outstanding Junior Biology Student Scholarship, 1994

**GRANTS AND PROGRAMS**

**Business Education Program Grant recipient,** Biology Independent Research Projects, received a grant for materials to expand the individual research projects to the second AP Biology class, Fall 2015

**MTSU/TRIAD GK12 program**, partner teacher, worked with MTSU graduate students and AP Biology students on individual research projects, 2013-2015

**Business Education Program Grant recipient,** Protein electrophoresis, received a grant to purchase protein electrophoresis equipment, Fall 2012

**Research Experiences for Teachers,** Vanderbilt University, worked in a biomedical research lab in the summer and created curriculum for students to complement the experience, Summer 2012

**Business Education Program Grant recipient,** Do You See What I See – Exploring with a Digital Microscope, received a grant to purchase a digital microscope to use in the classroom, Fall 2011

**SKILLS**

Computer skills: proficient in Microsoft Word, Excel, PowerPoint, Safari, Firefox, Google Chrome, Internet Explorer, Social Media, Windows ME/XP/NT/95/98/2000, Macintosh, Star Student, Information Now, and D2L

**RESEARCH**

2004 **Graduate research**Effect of size on dominance of Bluegill sunfish

2005 **StepMT Summer Research Program** Solar Radio Astronomy

**REFERENCES**

References available on request