

Heather B. Johnston

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ACADEMIC CREDENTIALS

Master of Education in Educational Administration, Curriculum and Supervision May 2014
University of Oklahoma, Norman, Oklahoma

Bachelor of Science in Chemistry, Minor in Biology December 2008
University of Central Oklahoma, Edmond, Oklahoma

High School Diploma May 2003
Luther High School, Luther, Oklahoma

PROFESSIONAL CERTIFICATIONS

State of Oklahoma – Secondary Science (6-12) - Chemistry
State of Oklahoma – Secondary Principal

TEACHING & CURRICULUM EXPERIENCE

Adjunct Professor August 2020 - Present
University of Oklahoma, Norman, OK

State Director of Science and Engineering Education June 2020 - Present
Oklahoma State Department of Education, Oklahoma City, OK

PreK-12 Science Education & Elementary STEM Coordinator July 2017 – June 2020
Putnam City Schools, Oklahoma City, OK

Science Content Review Team April 2018 – January 2019
EdReports.org

Science Teacher, Science Department Chair (4 years) August 2010 – June 2017
Pom Sponsor (3 years), Norman.Net Instructor (3 years)
Norman High School, Norman Public Schools, Norman, Oklahoma

Advisor January 2017
Envision Presidential Leadership Inauguration Summit, Washington D.C.

Oklahoma Science Frameworks Writing Team March 2016 – October 2016
Oklahoma State Department of Education, Oklahoma City, OK

Curriculum Advisement October 2016
TechJOYnt, Oklahoma City, OK

Science Instructor October 2007 – May 2012
Science Museum Oklahoma, Oklahoma City, OK

COURSES TAUGHT

High School Chemistry 1, Chemistry 2, and Pre-AP Chemistry
Norman.Net Online – High School Health Science, Physical Science, and Biology
College Level Elementary Science Methods

GRANT AWARDS

Title IV Champions of Excellence Grant 2018-2019
Oklahoma State Department of Education
Amount: \$226,852.06

Purpose: Three goals for this grant were: 1) Increase K-2 and STEM teacher efficacy for the use of integrated 3-dimensional (3D) science teaching and learning, 2) Increase the amount of time students are in engaged in 3D science learning, and 3) Develop building leadership capacity within individual schools through collaborative communication and the creation of a shared vision for 3D science teaching and learning. This was met through integrating children's literature with science instruction.

STEM Grant 2018-2019
Oklahoma Energy Resources Board
Amount: \$63,052.56

Purpose: Purchase science instruments and materials for secondary classrooms needed to support hands-on student learning, and for a year-long professional learning workshop focused on 3-dimensional science integration using phenomena to engage students.

SCIENCE RELATED EXPERIENCE

Research Assistant March 2009 – September 2009
OU Health Sciences Center/VA Medical Center, Oklahoma City, Oklahoma

PROFESSIONAL ORGANIZATIONS

Council of State Science Supervisors 2020 – Present

National Science Education Leadership Association 2017 – Present

National Science Teaching Association 2016 – Present

Oklahoma Science Teaching Association 2011 - Present
Secretary (1 yr.), President (3 yrs.)

Putnam City Association of Classroom Teachers 2017 – 2020

Professional Educators of Norman 2010 – 2017
Building Representative (6 yrs.), Secretary (2 yrs.)

LOCAL, STATE & NATIONAL PRESENTATIONS

Elementary Science: It Can Be Done! *Canceled due to COVID*
National Science Teaching Association's National Conference

STEM Teaching Tools Overview STEM Conference, Edmond Public Schools	2019
Elementary ELA and Science, and Elementary Science Progressions Oklahoma Science Teachers Association's State Conference	2019
3-Dimensional Science Learning for Beginners National Science Teachers Association's National Conference	2019
Multiple Regional Science Professional Development Workshops Oklahoma Science Teachers Association	2017, 2018, 2019
Engaging Students in 3-Dimensional Science Learning Full STEM/STEAM Ahead: Women to the Calling Conference	2017
3-Dimensional Science Learning Using Phenomena, and Constructing Explanations in Science Oklahoma Science Teachers Association State Conference	2017
Science Learning Scales, and Science Centers in a Secondary Classroom Oklahoma Science Teachers Association State Conference	2016
Standards Based Grading and Learning Scales G.E.T. F.I.T. Professional Development, Norman Public Schools	2015

PROFESSIONAL ACTIVITIES

Executive Committee for State Science Standards Revision Oklahoma State Department of Education	2019 – 2020
STEM Conference Edmond Public Schools	2018, 2019
Annual Science State Conferences Oklahoma Science Teaching Association	2015, 2016, 2017, 2018, 2019
NSELA National Conference National Science Education Leadership Association	2019
NSTA National Conferences National Science Teaching Association	2018, 2019
District Technology Committee Norman Public Schools	2014 – 2017
Blended Learning Institute Norman Public Schools	2017
Going 3-D: Transitioning to the New OK Academic Standards Presenters: Brett Moulding and Nicole Paulsen	2015 –2017

Oklahoma City Public Schools

National Educators Association Representative Assembly 2016
Professional Educators of Norman

OK Science & OK Math Leadership Class 2 2015 – 2016
Oklahoma State Department of Education

Freshman Academy, District and Site Team 2014 – 2016
Norman Public Schools, Norman High School

Marzano Training Team 2014 –2016
Professional Educators of Norman

Mentor Teacher Training 2014
Norman Public Schools

High Schools That Work Conference 2014
Norman Public Schools

Building Expertise: Essentials for Achieving Rigor, Marzano Conference 2014
Professional Educators of Norman

Gear Up Training 2013 – 2014
K20 Center

Marzano Teacher Evaluation Training 2012 – 2013
Norman Public Schools

NASA ECLIPSE PD Institute 2013
Presenter: Pavlo (Pasha) Antonenko, PhD
Oklahoma State University

L to J Training 2012
Presenter: Lee Jenkins
Norman Public Schools

Research Experience for Teachers 2012
University of Oklahoma Department of Engineering

REFERENCES UPON REQUEST
