

James Andrew Gilbert, NBCT

Curriculum Vitae

Jefferson County Public Schools
Central High School Magnet Career Academy
1130 West Chestnut Street
Louisville, Kentucky 40203

Work: (502) 485-8226

Cell: (502) 523-0943

Fax: (502) 485-7034

Email: jim.gilbert@jefferson.kyschools.us

Education and Certification

2017-2018 University of Louisville
Endorsement in Instructional Technology

June, 2017 National Integrated Cyber Education Research Center (NICERC)
Certified in Cyber Literacy, Computer Literacy, and Computer Science

November, 2003 National Board for Professional Teaching Standards
National Board Certified Teacher (NBCT)
Adolescence and Young Adulthood English Language Arts
Renewed in October, 2012

1998-1999 University of Louisville
Degree: Masters Arts in Teaching
Special Field: Secondary Education – English/Language Arts

1994-1998 University of Louisville
Degree: Bachelors of Arts
Major: English

Experience

1999- Present Central High Career Magnet Academy

Cyber Engineering Teacher (2017-present)
Instruction in pBasic, Python, RobotC, and Scratch
VEX and BoeBot curricula
Raspberry Pi curricula
Web page design

Edhesive Intro to Computer Science
Teaching Assistant, Jefferson Community Technical College (2022-present)
CIT-105 Introduction to Computers
DPT-100 3D Printing

English Teacher (1999-present)
Grades 9-12
AP English Language and Composition Teacher

Literacy Leader (2007-2013)
Coordinated school's literacy plan
Compiled and assessed reading test scores
Liaison between district and English teachers

School Technology Coordinator (2000-2004)
Managed and maintained school's computer network (300+) workstations
Assisted with aligning curriculum to standards

STLP Coordinator (2017-present)
Attendance in state and local competition
Stacy Bufkin-Halleron Award recipient

VEX Robotics Team Coach (2015-present)
First robotics team in Central's history
Coached three teams: 99415A, 99451B, and 99451C
Created Central's first Makerspace
Hosted first JCPS high school robotics tournament, The Yellow Jacket Challenge
Three state qualifying teams, two national qualifying teams, one international qualifying team.

FIRST Robotics FRC Coach (2018-present)
Attended the 2019, 2022, and 2023 Smoky Mountain Regional
Awarded numerous grants to fund program

Technology Student Association (TSA) Sponsor (2021-present)
Formed the first TSA in Central's history

Boston Dynamics Curriculum Team (2022-present)
Developed and wrote the official high school curriculum guide for the Spot Robotics Platform

1999 Fairdale High School (JCPS)
Student teaching assignment
Created school's first web site

1998-1999 University of Louisville
Graduate Internship
Managed Educational Research and Technology Center for College of Education

Community Experience

July, 2020 CTE Summer Robotics Camp Instructor, JCPS

July, 2019 Drone Camp Instructor, University of Louisville Speed School of Engineering

June, 2017 Robotics Camp Instructor, University of Louisville Speed School of Engineering

2012-2014 Volunteer Soccer Coach, YMCA of Southern Indiana

1996-2006 Boys Scouts of America (BSA), Lincoln Heritage Council
Co-founder and Assistant Sea Scout Leader, Ship 580
Council Leader, 2002 Seabase Contingent
Seabadge Graduate, 2000

1992-1996 Hugh O'Brian Youth Foundation, Louisville Chapter
Vice Chair, 1995-1996
Director of Counselors, 1994
Director of Special Events, 1993
Adult Counselor, 1992-1993

1989-1994 Junior Achievement
Company Program Advisor
Advisor of the Year, 1993

Courses Taught

English I (Freshman English)
English II (Sophomore English)
English III (Junior English)
English IV (Senior English)
AP Language and Composition
Computer Literacy
Digital Literacy
Cyber Literacy I (NICERC)
Cyber Literacy II (NICERC)
Cyber Science (NICERC)
Computer Science (NICERC)
CIT-105 Introduction to Computers (JCTC)
DPT-100 3D Printing (JCTC)

Leadership Dynamics
ACT Preparation
Academic Intervention

Publications and Presentations

Gilbert, J., Brown, C., Canaday, S., Compton, T., & Bringhurst, R. (2023). *Spot® Robot Curriculum: A Central High School guide for teaching robotics at the secondary level*. Retrieved from Boston Dynamics website:

<https://bostondynamics.com/whitepaper/spot-robot-curriculum/> - November 30, 2023

Boston Dynamics Webinar, “Transforming STEM Learning with Spot” panelist – November 15, 2023

“Boston Dynamics Spot Robot High School Curriculum Guide” – November, 2023

Kentucky CTE Summer Program, “How We Built the Colony” – July 20, 2023

APH Annual Meeting, “Let’s Talk STEM” panelist – October 7, 2020

VEX Worlds Sponsor Luncheon, "First Year in Robotics" - April 22, 2016

Kentucky Engineering Center Annual Convention, "Notes from an Inaugural Year of a Robotics Club" - April 15, 2016

Whole Language Umbrella Literacies for All Summer Institute Presentation, “Creating Readers: A Successful Approach to Closing the Achievement Gap” – July 9, 2010

Louisville Writing Project Conference Presentation, “Developing and Using a Reading Portfolio” – January 17, 2004

Louisville Writing Project Conference Presentation, “Developing a Reading Portfolio that Serves Teaching Literacy the Way that the Writing Portfolio Does” – January 18, 2003

Kentucky Council of Teachers of English/Language Arts Conference Presentation, “Paradigm Shifting, Why Keep Doing Something That Doesn’t Work” – February, 2001

“Safety” (poem). Louisville Eccentric Observer, Literary Issue. September 26, 2001: 12

"Welcome! LWP Central High School Demonstration Site." Louisville Writing Project Network News. Summer, 2000: Volume XVIII, Number 4.

Kentucky Council of Teachers of English/Language Arts Conference Presentation, “Building Writing Communities” – February 12, 2000

National Conference of Teachers of English Conference Presentation, “New Old Ideas: Writing Across the Curriculum and Writing Workshop for the Kentucky Writing Portfolio” – November 20, 1999

“This Just Makes Sense: Yearlong Experiences in a High School Professional Development School.” The Peabody Journal of Education. 74, Numbers 3 & 4 (1999): 310-318

Professional Activities

TSA Advisor (2021-present)
FIRST Robotics Team Coach (2018-present)
VEX Robotics Team Coach (2015-2021)
Central High School Safety and Climate Committee, Chair (2014-2015)
Site-Based Decision Council, Faculty Representative (2006-2008, 2012-2014)
Kentucky Education Association Assembly Delegate (2013)
Kentucky Core Academic Standards Literacy Cohort (2011-2012)
Teacher Transfer Selection Committee (2011)
High School Literacy Leader (2007-2012)
School Technology Coordinator (2000-2004)
Yearbook Advisor (2000-2002)
Central High School Reading Portfolio Quality Team (2002-2012)
Louisville Writing Project, Central High School Extension Site participant (1999-2000)
School Technology Committee Chair (2000-2004)
Teaching Learning Conference Delegate (1999-2002)
Central High School Videoconference Coordinator (2000-2003)
National Writing Project ESL Mini Conference Delegate (2002)

Grants Awarded

Verizon Grant Innovation Grant (2016) - \$10,000
FIRST Rookie Argosy Grant 2018 - \$1000
FIRST Robotics Argosy Field Growth Incentive Grant (2018-2023) - \$4000
Toyota USA Foundation Grant 2019 - \$3000
FJ Foundation 2019 - \$10,000
C&I Engineering 2019 - \$3000
Jacobs Engineering Grant 2022 - \$5000
Fortna Grant 2023 - \$10,000
Boston Dynamics Curriculum Development (2023) - \$64,000
FIRST Robotics Argosy Grant 2023 - \$2500
Kentucky FIRST Robotics Grant 2023 - \$1000

Past and Present Professional Memberships

Computer Science Teachers Association
National Council of Teachers of English
Kentucky Council of Teachers of English
Kentucky Association of National Board Teachers
Greater Louisville English Council
Phi Lambda Theta
Phi Kappa Phi Honor Society (University of Louisville Chapter)
Golden Key National Honour Society (University of Louisville Chapter)

Educational and Community Awards

Hilliard Lyons Excellence in Teaching Award – April, 2018
Computer Education Support innovatED Award, JCPS - September, 2016
Kentucky Teacher of the Year Semifinalist - October, 2011
Ashland Teacher Achievement Award - September, 2011
Superintendent's Distinguished Service Award, JCPS – January, 2004
Venturing Leadership Award, BSA – March, 2003
Millennium Maker Award, Jefferson County, Kentucky – August, 2001
Outstanding Educator Award, Governor Scholars Program – 2000 and 2001
Kentucky Colonel – July, 2000
Brotherhood Award, JCPS – April, 2000 and April 2006
Distinguished Performance in Student Teaching, University of Louisville – May 1999