

# ALEX JONES, M.Ed.

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## PROFESSIONAL SUMMARY

Innovative education leader with nearly 20 years of experience developing and implementing high-impact STEM programs at school, district, and state levels. Proven expertise in curriculum development, educational technology integration, and managing grant-funded initiatives. Skilled in fostering collaborative relationships with stakeholders to enhance educational outcomes and promote educational equity.

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## CORE COMPETENCIES

- Educational Program Leadership
  - Curriculum Development & Implementation
  - Grant Management & Budget Oversight
  - Professional Development Design & Facilitation
  - Educational Technology Integration
  - K-6 Science & STEM Instruction
  - Data-Driven Decision Making
  - Stakeholder Collaboration & Communication
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## PROFESSIONAL EXPERIENCE

### **STEM Lab Teacher | Marion School District, Marion, AR | July 2024 - Present**

- Develop and implement district-aligned STEM curriculum reaching 650+ K-6 elementary students weekly
- Lead cross-curricular collaboration with classroom teachers to integrate STEM concepts into core instruction
- Incorporate cutting-edge technology and digital tools into STEM lessons.
- Design and facilitate technology-enriched learning experiences that promote critical thinking and problem-solving skills
- Facilitate hands-on, inquiry-based learning experiences in science, technology, engineering, and mathematics.

### **Science Content Specialist | Massachusetts Department of Elementary and Secondary Education, Malden, MA | January 2022 - July 2023**

- Managed all aspects of the Elementary [OpenSciEd](#) \$700,000 grant program, overseeing budget allocation and implementation across 10+ districts
- Led the Science, Technology, and Engineering portion of [CURATE](#) (Curriculum Ratings by Teachers), developing comprehensive curriculum evaluation protocols
- Developed and implemented technical assistance programs supporting districts in science improvement initiatives
- Created and facilitated professional development webinars for educators across the Commonwealth

- Established strategic partnerships with science consultancies to enhance professional learning offerings statewide
- Advocated for educational equity initiatives and culturally responsive science pedagogy across Massachusetts schools

**Science/STEM Lab Teacher | Houston Independent School District, Houston, TX | August 2014 - September 2021**

- Designed and implemented district-aligned science curriculum for 650+ K-5 students
- Secured and managed \$7,000 Houston ISD Foundation Innovation Grant to enhance STEM program offerings
- Collaborated with grade-level teams to integrate STEM concepts across the curriculum
- Developed and led professional development sessions on inquiry-based science instruction
- Supported school improvement initiatives through data analysis and instructional adjustments

**Educational Technology Specialist | Pearland ISD, Pearland, TX | July 2013 - May 2014**

- Coordinated technology integration initiatives across three K-4 elementary campuses
- Designed and delivered professional development on instructional technology applications
- Collaborated with administrators to develop technology implementation plans aligned with district goals
- Provided coaching support to teachers implementing new educational technologies
- Evaluated educational technology tools and made recommendations for district adoption

**Special Projects Coordinator | Fort Bend ISD, Sugar Land, TX | February 2012 - June 2013**

- Served on the iAchieve Leadership Team overseeing a \$16M district-wide technology initiative
- Created comprehensive implementation timeline and deliverables for science e-curriculum development
- Led communication efforts between 70 content writers, pilot teachers, administrators, and parents
- Coordinated professional development for science curriculum writers and pilot teachers
- Monitored project implementation and conducted program evaluation to ensure fidelity

**Education Specialist | Region 4 Education Service Center, Houston, TX | March 2010 - February 2012**

- Developed eLearning curricula and courses for educator professional development
- Provided artistic direction to content experts to enhance online course design
- Managed technical requirements of online course delivery platform
- Designed and facilitated online training for alternative certification program participants
- Collaborated with regional service center staff to align offerings with district needs

**Full-Time Mentor | Houston ISD Professional Development, Houston, TX | June 2009 - March 2010**

- Provided instructional coaching to beginning teachers across multiple campuses
- Modeled effective teaching practices and classroom management strategies
- Collaborated with campus administrators to support teacher development
- Contributed to program enhancement initiatives through data collection and analysis
- Facilitated professional learning communities focused on instructional improvement

## **Science Lab Teacher | Houston Independent School District, Houston, TX | June 2006 - June 2009**

- Developed and implemented hands-on science curriculum aligned with state standards
  - Created engaging learning environments promoting scientific inquiry and discovery
  - Employed varied instructional techniques to meet diverse student needs
  - Participated in vertical alignment planning to ensure curriculum coherence
  - Collaborated with classroom teachers to reinforce science concepts
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## **EDUCATION & CREDENTIALS**

### **EDUCATION**

- Master of Education, Curriculum and Instruction - Teaching | University of Houston, Houston, TX
- Bachelor of Science, Interdisciplinary Studies | University of Houston, Houston, TX
  - GPA: 3.62/4.0, Magna Cum Laude

### **CERTIFICATIONS**

- [Arkansas](#): PreK–6 Generalist, ESL (K–12), Building Level Admin (PreK–12)
  - [Texas](#): EC–6 Generalist, EC–6 ESL, Principal (EC–12)
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## **GRANTS & PUBLICATIONS**

### **GRANTS SECURED**

- Arkansas Wildlife Grant (\$2,015)
- EAST Initiative Grant (\$115,000)
- Houston ISD Foundation Innovation Grant (\$7,000)

### **PUBLICATIONS**

- Jones, A. (2010). Science via photography: Using digital media to enhance animal adaptation and diversity lessons. *Science and Children*, 47(5), 26-30.
  - Jones, A. (2026). Science in a Snapshot: Integrating AI and Photography to Transform Science Instruction. *Science and Children*. (Accepted for publication).
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## **PROFESSIONAL AFFILIATIONS**

- Texas Computer Education Association (TCEA)