



# VIRGINIA ALONSO

Westerville, Ohio | valonso@dtainstruction.com | 937-726-9165 | [LinkedIn.com/in/Virginia-Alonso-DTA](https://www.linkedin.com/in/Virginia-Alonso-DTA)

**The Ohio State University: Doctor of Philosophy (PhD) Candidate; Available for Clinical/Research Professorship**

## Turning Research Into Reality: Dedicated to empowering teachers in developing high-quality mathematics curricula and implementing proven instructional methods in STEM classrooms for guaranteed student success.

Respected for developing programs that elevate the academic performance of diverse student populations. Passionate about improving equity, amplifying marginalized student voices, and cultivating a sense of belonging. Deep understanding of the rigor, expectation, and complexity of education. Career history of collaborating with educators, administrators, technologists, mathematicians, scientists, and engineers on ground-breaking programs. Core competencies include:

- Cognitive Development & Fluency
- Program & Progress Assessments
- STEM Content Development
- Strategic Curriculum Design
- Rural & Urban Education
- Equity & Diversity Issues
- High-Need Schools
- Research Initiatives
- Customized Lesson Planning
- Deep Learning Techniques
- Underserved Populations
- Creative Problem Solving

## PROFESSIONAL EXPERIENCE

DESIGN TO ALIGN, LLC ([www.dtainstruction.com](http://www.dtainstruction.com)), Westerville, Ohio

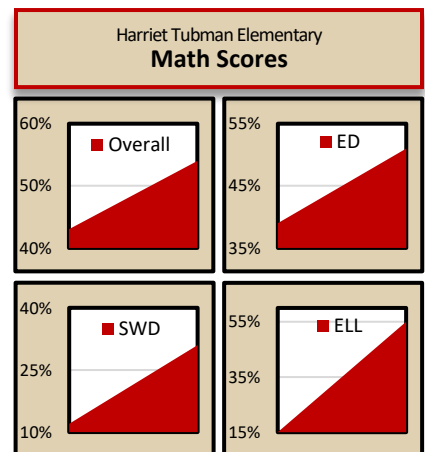
01/2012 to Present

### Chief Executive Officer (CEO), Senior Educational Consultant

Specialize in developing mathematics curricula and improving instruction for schools in urban settings to empower the economically disadvantaged and students with disabilities. Educate teachers on how to create meaningful and impactful student experiences/environments for STEM classrooms. Work one-on-one with instructors, using cognitive coaching to improve lesson planning and classroom techniques. Assist school districts with aligning curricula and assessments using approaches endorsed by the Department of Education and the American Institute of Research (AIR). Deliver Instructional Leadership Seminars, conduct Math Institutes, and record training videos. Produce online modules and webinars for distance learning opportunities using Zoom and GoToMeeting.

### Delivered Results

- **Boosted overall math scores from 43% to 54%** at Harriet Tubman Elementary School in Harlem, New York, improving results for students with disabilities (SWD) from 12% to 31%, English language learners (ELL) from 15% to 55%, and economically disadvantaged (ED) students from 39% to 51%.
- **Elevated math scores 15%** for Clovis High School in Clovis, New Mexico, and significantly improved curriculum effectiveness for Navajo Nation (Bureau of Indian Education in New Mexico) by focusing on cognitive rigor and math process standards.
- **Realized up to 67% gains in mathematics** for the low-performing report cards of four different elementary schools in the Dade School District in Miami, Florida.
- **Won client accolades** for authoring the *K-12 Design to Align Mathematics Literacy Guides*, a teacher-friendly resource book for educators to align cognitive rigor, math practices, state assessment specifications, and best practices into lesson planning without having to spend hours parsing through state documents.



Dade School District	Grade		Mathematics	
School Name	2015	2016	Learning Gains	Learning Gains of Lowest 25%
Carrie P. Meek / Westview K-8	D	C	42%	33%
Lakeview Elementary School	C	A	62%	64%
Miami Park Elementary School	D	C	57%	32%
Rainbow Park Elementary School	D	C	67%	67%

- Subcontracts:**
- ▶ **IBM/Office Depot:** Provided K-12 mathematics progression wire diagramming and alignment. Information proved invaluable for artificial intelligence (AI) Watson for Education programs and corporate programs.
  - ▶ **Global Center for College and Career Readiness:** Produced online graduate courses for University of Southern California (USC) and online modules for Florida schools which centered on cognitive rigor/fluency and math discourse. Delivered professional development and coaching on high-impact experiences and learning environments.
  - ▶ **Battelle For Kids:** Acted as a Strategic Planning Professional Development Specialist. Delivered comprehensive training, showing learners how to conduct gap analysis, understand Value Added, and create strategic improvement plans using state assessment data.
  - ▶ **Carnegie Learning:** Aligned Ohio Mathematics Standards to 6-12 textbook curricula and Mathia software. Badged as a Custom Professional Development Specialist.

**Presentations: Delivered compelling mathematics session presentations, sharing strategies and best practices for curricula development, classroom instruction, and assessments across the nation in 70+ culturally diverse school districts since 1998:**

El Paso Workforce Conference, 2019 | Florida Mathematics Council for Teachers Regional Conference, 2019 | Ohio Department of Education Race to the Top Conference, 2012, 2013 | Ohio Administration and Superintendent State Conference, 2013 | Ohio Mathematics Council for Teachers Annual Conference, 1999, 2010 | Ohio Middle School Conference, 2000 to 2004 | National Middle School Conferences, 2000, 2001, 2002, 2003 | National Mathematics Council for Teachers Annual Conference, 2002

SIDNEY CITY SCHOOLS, Sidney, Ohio

08/2010 to 06/2013

**K-12 Curriculum Director**

Led school to become an academic model for the entire state by elevating instruction quality, closing educational gaps, and fulfilling student needs. Produced online diagnostic/instruction programs, built data teams, and used diagnostic results to inform instructional guidelines and content. Developed and implemented the state-mandated Comprehensive Strategic Plan. Spearheaded STEM summer programs for grades 6-8.

**Delivered Results**

- **Increased grade-level Reading and Mathematics Scores from 68% to 80%**, and raised the district's grade card rating from "Continuous Improvement" to "Effective." Elevated Value-Added status for all students from "Not Met" to "Met."
- **Hand-picked by the Ohio Department of Education (ODE)** to present innovative curriculum solutions at the Ohio Annual State Conference for two consecutive years.

AUGLAIZE COUNTY EDUCATIONAL SERVICE CENTER, Wapakoneta, Ohio

08/2006 to 07/2010

**K-12 County Curriculum Director**

Significantly enhanced the performance of low-achieving schools while facilitating state-issued Improvement Strategic Plans. Provided comprehensive leadership for K-12 curriculum, federal programs, and professional development initiatives. Implemented Formative Assessment and online diagnostic/instruction programming.

**Delivered Results**

- **Received the \$1 million ODE STEM Initiative Grant**, obtaining 1 of only 5 awarded state-wide. Grant offered students in small rural communities new opportunities to elevate STEM skills.
- **Honored to serve as STEM trainer for Wright State University** in the Engineering is Elementary program for the West Region.
- **Introduced Formative Assessment program across four school districts**, and created state-recognized data teams that strategized lessons based on diagnostic results.

Prior 15 years of success serving as a 6-12 math teacher in Hawaii and Ohio, and as an Assistant Principal at Sidney City Schools (08/1991 to 07/2006). Won Teacher of the Year, Honda Educator Award to study math pedagogy abroad in Japan, and obtained Toyota Grant to research European and Asian math methodologies. Partnered with Wright Patterson Air Force Base, working with top aeronautical engineers to run student rocket launch project.

**EDUCATION / CREDENTIALS**

<b>Education License in Administration/Curriculum and Instruction</b>	UNIVERSITY OF DAYTON, Dayton, Ohio	05/2006
<b>Master of Arts in Teaching</b>	MARYGROVE COLLEGE, Detroit, Michigan	05/2001
<b>Bachelor of Science in 6-12 Mathematics Education</b>	BOWLING GREEN UNIVERSITY, Bowling Green, Ohio	05/1991
<i>Recipient of Alcoa Corporation Four-Year Academic Scholarship</i>		

**ASSOCIATIONS**

West Region Representative	Ohio Association of Elementary School Administrators	2007 to 2010
National Speakers Bureau	National Middle School Association	2002 to 2005
West Region Representative, Executive Board	Ohio Middle School Association	2002 to 2005
State Assessment Committee, Eighth Grade Math	Ohio Department of Education	2000 to 2003

**PUBLICATIONS**

Design to Align Math Standards Literacy Guides (for 15 States)	Author	2016 to Present
IBM Education Watson Standards Math Progression Specifications	Author	2015, 2018
Carnegie Learning Gap Analysis and Alignment Specifications	Author	2017 to 2018
Common Core Mathematics Online Modules and Webinars	Author	2015
Black Belt Math Graduate Courses	Co-Author with Common Core Institute	2012 to 2013
Deconstructed Math Standards for Classroom Impact	Co-Author with Common Core Institute	2012