Teacher Roundtable
Center for Excellence in Education
Teacher Enrichment Program

Shannon Turner, PE
What is Engineering?
More than you think!
My STEM Journey

• Curious child – fascinated by the way things worked and how structures were built.
• What do I want to be when I grow up?
• Inspiration
Education

• Specialized Program for Advanced Math and Science in High School

• Bachelor of Science in Civil Engineering
  Old Dominion University

• Master of Science in Structural Engineering
  University of Illinois Urbana-Champaign
Career choices

- Project Management
- Designer of Bridges, Buildings and Waterfront Structures
- Inspection & Rehabilitation of Structures
- Construction Supervision

Clients
- Federal and State Governments including the Military
- Private Practice and Consulting
Structures & Inspections
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Moffatt & Nichol

• Creative People, Practical Solutions.®
• Six areas in which we practice:
  • Inspection & Rehabilitation
  • Transportation
  • Coasts, Water & the Environment
  • Ports & Harbors
  • Urban Waterfronts & Marinas
  • Energy
There are Structures Everywhere

Breakwaters

Jetty
There are Structures Everywhere

Marine Terminals
There are Structures Everywhere

Bulkheads

Marinas
There are Structures Everywhere

Buildings
Encouraging Young Engineers

- Math & Science
- Critical thinking
- Organizational skills
- Writing
- Communications & people skills
- Hands-on: lab courses
- Understanding cultural diversity
- Invite Parent-Engineers to School
- Internships