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*READINESS LEARNING ASSOCIATES PRESENTS*  
**ENGINEERING ENCOUNTERS:  
GROWING CONFIDENT PROBLEM SOLVERS**

*Cognitive & Development Process in Building Habits of Inquiry for Engineering*

- Children are born to engineer! Testing, reconsidering and redesigning
- Build the 'Foundation' for Engineering

Use SENSES \* Connect the Dots \* Concrete to Abstract Thinking \* Understand Measurement \* Develop ways to articulate & communicate \* Capitalize on children's efforts to figure out their world \* Use REAL vocabulary, principles, and theories \* Find what interests kids \* Unexpected outcomes are welcome \* Banking a Memory of Errors

*Engineering Challenges & Scenarios*

- Capture ways for children to create, design, plan, test by using EDP
- 5 E Learning Model \* Project Based Learning \* It's a Process!
- Make Macro and Micro problem discoveries
- Teach students to apply knowledge, how to face a challenge, using determination and perseverance. Challenge and Choice!
- Teach how to use tools \* Re-purpose materials \* Room to Construct \* 'Do Not Disturb'
- Types of Questions & Documentation
- Mindful of Equality Engineering
- Parent Education & Involvement

*Do You Want Your Students Education to  
Prepare Them to Create the Future?*

