Exploring Design & Engineering™

- Three year development and dissemination project
- Funded by NJ Commission on Higher Education
- Extended work of CD&E into the upper grades
Objectives

• Develop contextual learning units

• Provide professional development to middle and high school Technology Education Teachers

• Integrate mathematics, science and technology through design and engineering approaches
Units developed

- Pack It Up, Ship It Out
- Community by Design
- The Big Thrill
- Xtreme Automata

- Materials & Processes
- Ready, Set, Sail
- Digital DJ
- Senior Capstone
- Designing with Pro DESKTOP
Professional Development

- 30 workshops were offered
- 508 New Jersey teachers attended
Pack It UP, Ship It Out
Implementation

- A recent survey of participating teachers indicated that ED&E materials are being successfully implemented in NJ classrooms. They reported that more than 14,600 NJ students have been introduced to ED&E materials during the 2002-2003 and 2003-2004 school years.
8 contextual learning units have been developed by the Exploring Design & Engineering project.

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