STEM ACTION PLAN
NORTHSIDE ELEMENTARY SCHOOL
A funny look @ our challenge!
A SERIOUS LOOK @ OUR CHALLENGE

- STEM to be incorporated into Gifted & Talented ELA block
- Integrate STEM into current ELA GT curriculum – find connections
- Unknown schedule – daily? weekly?
- Classroom / Homeroom teachers NOT INVOLVED in this process this year
- Inspire colleagues to “buy into” daily STEM education
- Gather and organize needed materials
- Find funding for kit purchases
BIG IDEA

Structures

Forces & Changes in Motion
GOALS & OBJECTIVES

GOALS:
• Enhance ELA/History Unit on 9/11 with STEM based activities
• To provide students with hands-on challenges that focus on the engineering design process
• Use simple materials but allow for multiple solutions

OBJECTIVES:
• Design and construct assigned project according to goals and guidelines
• Relate motion of objects to unbalanced forces in two dimensions
• Test and refine design
• Journal process and communicate and defend results
GRADE LEVEL PROJECTS

THIRD GRADE: HIGH RISE
Build a tower that can support a tennis ball.

FOURTH GRADE: KINETIC SCULPTURE
Build a tower with parts that move in the wind.

FIFTH GRADE: PAPER TABLE
Build a table out of newspaper that can hold a heavy weight.
In closing ..... 
A bedtime story!