1. Big idea:
   - “Engineering our World”

2. Goals and Objectives:
   - Our goal is to generate exposure to career choices and build background knowledge about the seemingly limitless possibilities available to our students in the areas of science, technology, engineering, and mathematics.
   - Seventh grade students will participate in one field trip per nine weeks to a local industrial facility.
   - One guest speaker per month, as time permits, from local business and industry as well as other career choices where the problem solving model is frequently used.
   - Virtual field trips
   - Roper Mountain Science Center

3. Timeline:
   - This plan will be implemented during the 2010-2011 school year. Seventh grade teachers will develop a schedule of responsibilities for field trips and speakers. The Engineering by Design process and vocabulary will be introduced through science labs and problem of the day mathematics. Enrichment activities will be planned throughout all core classes quarterly.

4. Assessment:
   - Problem-solving rubric
   - p.o.d. journal
   - Field trip portfolio
   - Web design classes
   - Lego slope intercept project

5. Resources:
   - Business Partners
   - Community Members
   - Transportation
   - Food
   - Gifts for participants

6. S.T.E.M. Night:
   - Visitors and students will be invited to feature what they have all learned and given the opportunity to share with the community.