Spartanburg School District 7

Developed by
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1. Big Idea
   Provide intro experiences for elementary students feeding into STEM middle school.

2. Goals and Objectives
   Integrate engineering projects into the current curriculum.
   Build awareness of benefits of integrating engineering standards based curriculum for K-5 teachers.
   Create one engineering unit for each grade K-5, using science kits.

3. Learning Experiences
   Professional development through faculty meetings and workshops
   Curriculum committee developing engineering units
   College exposure for students
   Business visits for teachers (BMW, Milliken)
   Summer programs

4. Assessment
   Lesson plans
   Faculty agendas
   Curriculum units
   Student achievement
   Surveys (parents, students, staff)

5. Timeline
   2011-2012 Teacher awareness and visits
   Summer 2012 Develop curriculum units
   2012-2013 Implementation
   Expand current relationship with NASA, Westpoint, Clemson, and local colleges
   Implement in Carver Middle School STEM staff and students
   Share with elementary schools

6. Resources
   SIG grant
   Title I and II funds
   Business and industry support