S.P.I.C.E.- A Design Process Model

When attempting to build, construct and/or plan towards a final goal, you must go through a process. This process is an important part of being able to create the best product/solution possible. By breaking down the common steps in a proven process, these steps can be used as a model. Using this model would always get the best solution or product quickly, efficiently and accurately for any product/solution required.

- **SITUATION**
  This is the BIG picture or the setting -that which surrounds the problem.

- **PROBLEM**
  This is the identified CHALLENGE to overcome within the situation.

- **IDEAS & INVESTIGATION**
  Research the circumstances and identify the resources required. Generate lots of ideas.

- **CHOOSE & CONSTRUCT**
  Select the best idea under the circumstances, plan what you are to do, and test as you

- **EVALUATION**
  Review problem, insure product/solution meets requirements and consider improvements.

**Detours**
- May have to get more info, to help clarify further.
- May need new skills, more time and/or knowledge.
- Consider equip., tools and material to complete.
- May have a new perspective, to redefine problem.

**Back-tracking**
Back-tracking will always be required for a number of reasons throughout the process model. Circumstances may have to be looked at more closely or over a different period of time. New problems may arise causing you to return back to the situation or re-evaluate the solution and choose another idea in your investigation.