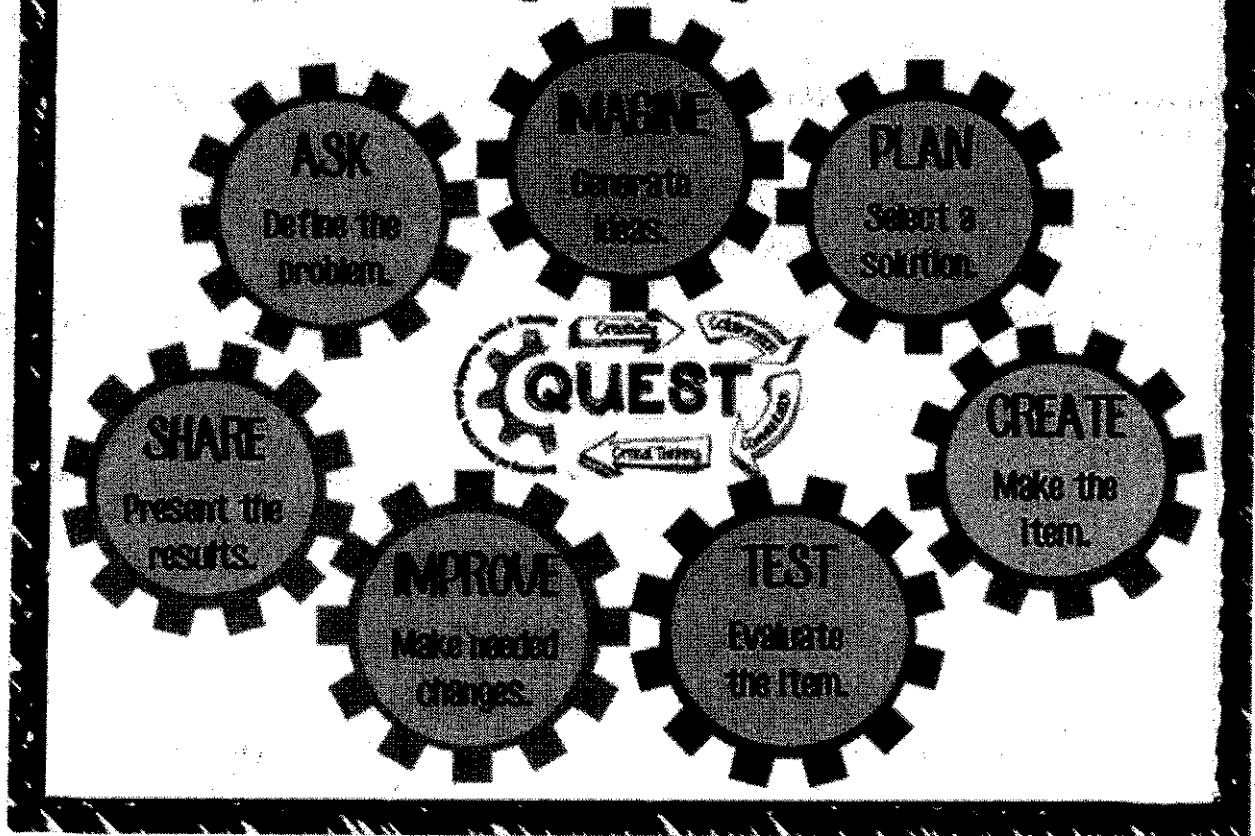


Engineering Design Process



Questions to Ask at Each Stage:

<p>ASK</p> <ul style="list-style-type: none"> • What is the problem? • What are possible solutions? • What have others done? 	<p>CREATE</p> <ul style="list-style-type: none"> • Can a model be made? • Have I followed the plans? • Does it meet the goal?
<p>IMAGINE</p> <ul style="list-style-type: none"> • What are the possibilities? • What else can be done? • What is the best solution? 	<p>IMPROVE</p> <ul style="list-style-type: none"> • Does it work? • What can make it better? • What can be done differently?
<p>PLAN</p> <ul style="list-style-type: none"> • Is the plan possible? • Where should I start? • What materials are needed? 	<p>COMMUNICATE</p> <ul style="list-style-type: none"> • Are changes needed? • What do others think? • Is the problem solved?

The 4 C's

CRITICAL THINKING

Thinking about problems in new ways.

- I can ask "What If?" and "Why Not?" questions.
- I can solve problems.
- I can analyze and compare.

COMMUNICATION

Sharing thoughts & ideas

- I can discuss my ideas.
- I can listen to others.
- I can evaluate what I think and hear.

COLLABORATION

Working Together

- I can work in a team.
- I can be flexible.
- I can be a follower or a leader.

CREATIVITY

Using new approaches to get things done.

- I can brainstorm new ideas.
- I can think of new things.
- I can consider other suggestions.

