Scientists investigate what is; they discover new knowledge by peering into the unknown...

Engineers create what has not been; they create things that have never existed before...

— Joseph Bordogna, Deputy Director, National Science Foundation

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**Brainstorming Guidelines**

- No negative comments allowed.
- Encourage wild ideas.
- Record all ideas.
- Build on the ideas of others.
- Stay focused on the topic.
- Allow only one conversation at a time.

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**Steps in the Design Process**

1. Define the problem.
2. Come up with design ideas (brainstorm).
3. Select the most promising design.
4. Communicate about and plan your design.
5. Create and test your designed product.

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Every act of creation is first an act of destruction.

— Pablo Picasso

Imagination is more important than knowledge.

— Albert Einstein

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