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



**Every act of creation is first an act of destruction.**

**— Pablo Picasso**

**Imagination is more important than knowledge.**

**— Albert Einstein**

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.

**Engineering Design Process: Time To Design Lesson, Hot Problem Solving Activity**

**— Design & Brainstorming Handout**