# **Steps in the Design Process**

## **1. Find the need.**

## **2. Define the problem.**

## **3. Brainstorm to come up with ideas.**

## **4. Select the most promising design.**

## **5. Plan and manage the project.**

**6. Build-test-refine the design.**

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

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

─ *Joseph Bordogna, Deputy Director, National Science Foundation*

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

***— Pablo Picasso***

Brainstorm Guidelines

## **No negative comments are allowed.**

## **Encourage wild ideas.**

## **All ideas are recorded.**

## **Stay focused on topic.**

## **One conversation at a time.**

## **Build on the ideas of others.**