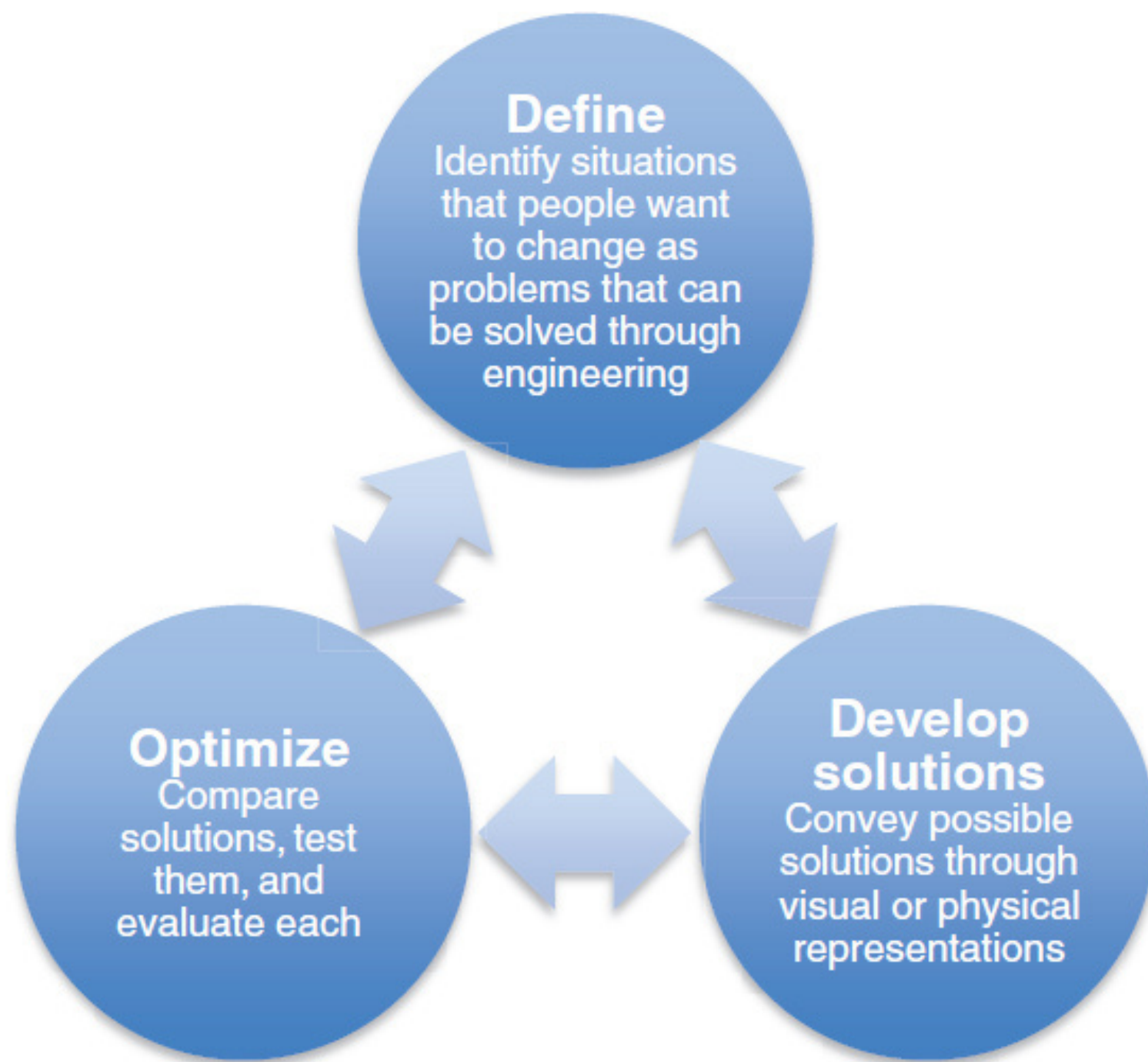
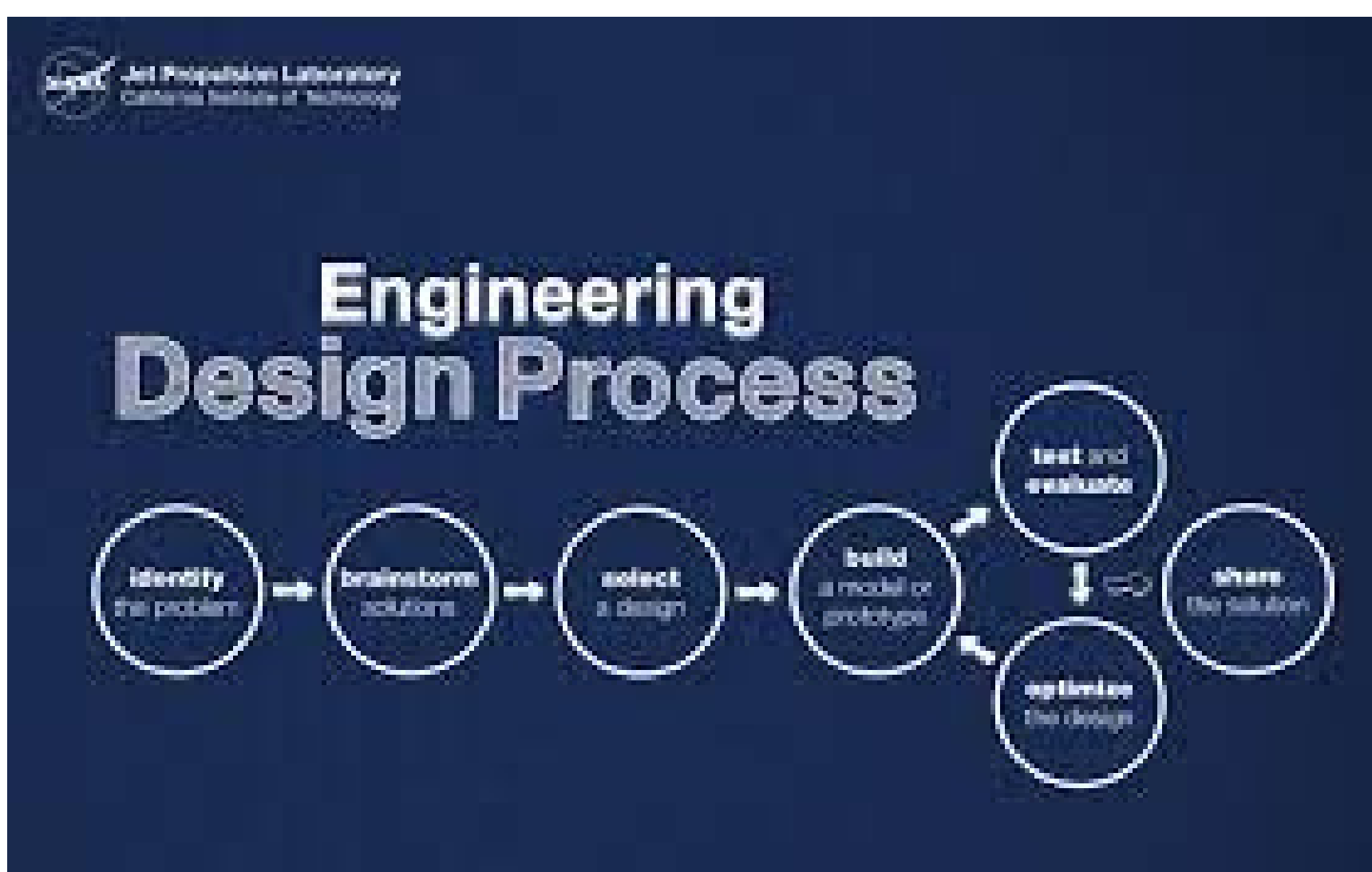
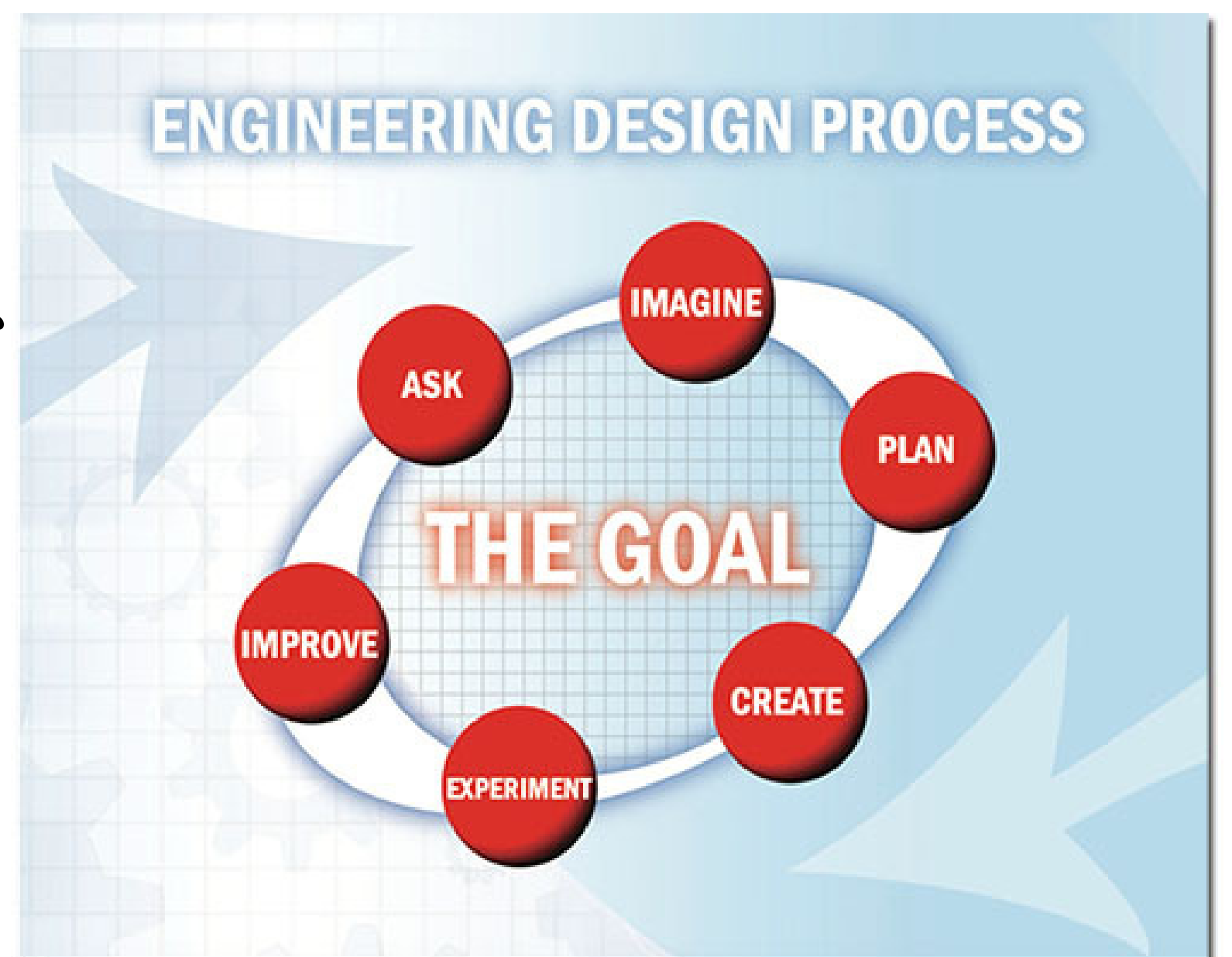


COMPARATIVE ANALYSIS OF DESIGN MODELS



The NGSS Model is the most simplistic of the three with a continual flow identifying problems, developing solutions, and testing them. This very basic outline does not pace students or detail what they should do in each phase of the EDP.

The NASA Model has more steps to guide students through the process of EDP, however with a one word label the purpose of each step may not be entirely clear to a new learner on the chart. Teachers will need to guide students so they learn the EDP.



The Jet Propulsion Laboratory Model is the most detailed with clearly labeled steps for each portion of the EDP. A new learner could take this model and work from it without instruction to complete a task. The detail also creates a better checks and balances system for the scientist.