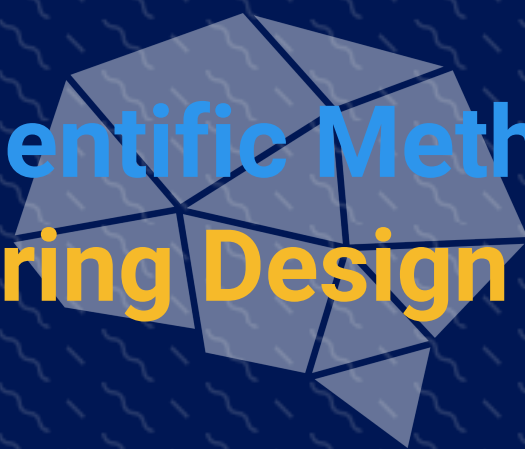


The Scientific Method and Engineering Design Process



Observe
Question
Propose

Identify a question	Notice a problem, need, or opportunity
Undertake background research	
Formulate a hypothesis	Propose a solution

Plan
Design
Collate
Analyse

State a hypothesis and identify variables	State a proposed solution and specify requirements
Design an investigation procedure to test a hypothesis	Design a model or prototype to test a solution
Conduct trials, obtain and represent data	
Analyse/interpret data and formulate conclusions	

Reflect
Evaluate
Conclude
Communicate

Evaluate procedures	Evaluate models or prototypes
Modification and iterative testing may occur at this stage	
Make and justify conclusions	
Communicate results and findings	Communicate outcomes and findings