










Sum It Up: An Introduction to Static Equilibrium

TeachEngineering

Project

Introduced to static equilibrium by learning how forces and torques are balanced in a well-designed engineering structure.

Suggested Learning					
Time	2 : 30	Cost	0.00		
PreRequisites					
Requirements					
Skills		Focus	Level	Standard	Points
 Applied Science				NGSS	12
 Written Communication				CC	4
 Mathematics				CC	4
Total Skill Points					20
Knowledge Gain					
Understand the concept of static equilibrium. Identify and model, with free-body diagrams, forces in two dimensions (x-y plane) and torques about a point.					
Resource Link					
https://www.teachengineering.org/activities/view/cub_staticcrane_activity1					

Skills Label™

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