

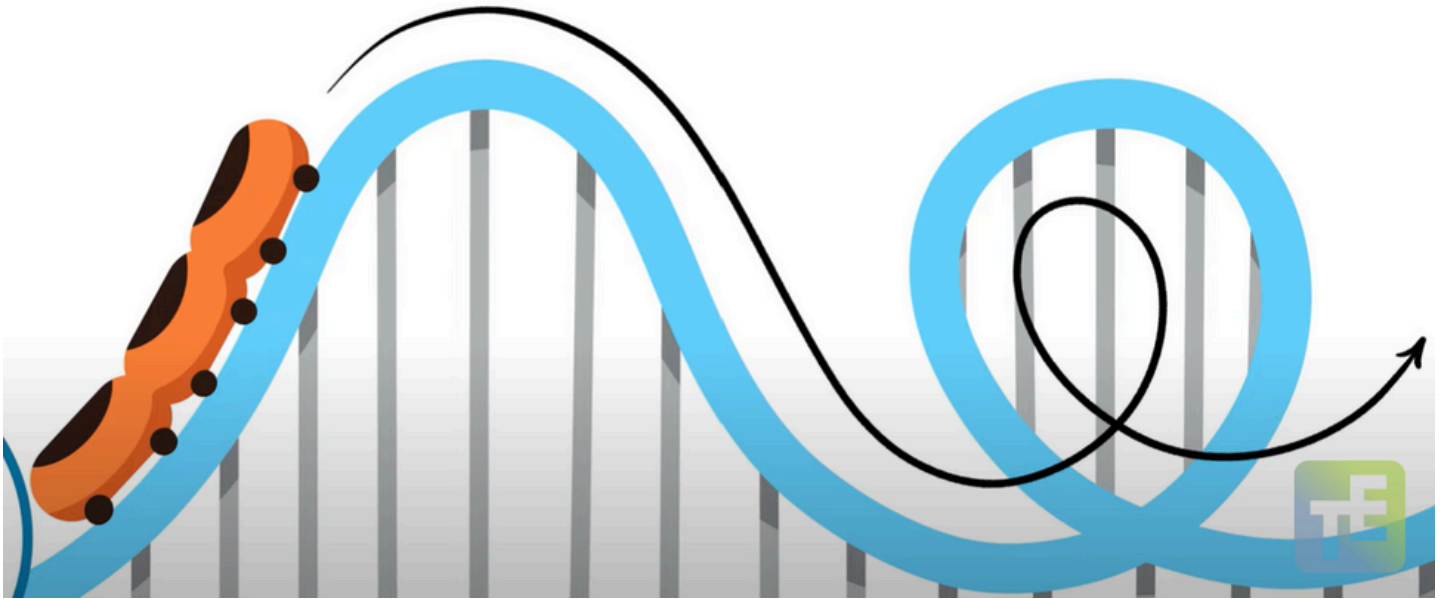


# YOUNG MASTER CHALLENGE

Bumblebee  
Mathematics  
CONCEPT IN LIFE:  
Engineering

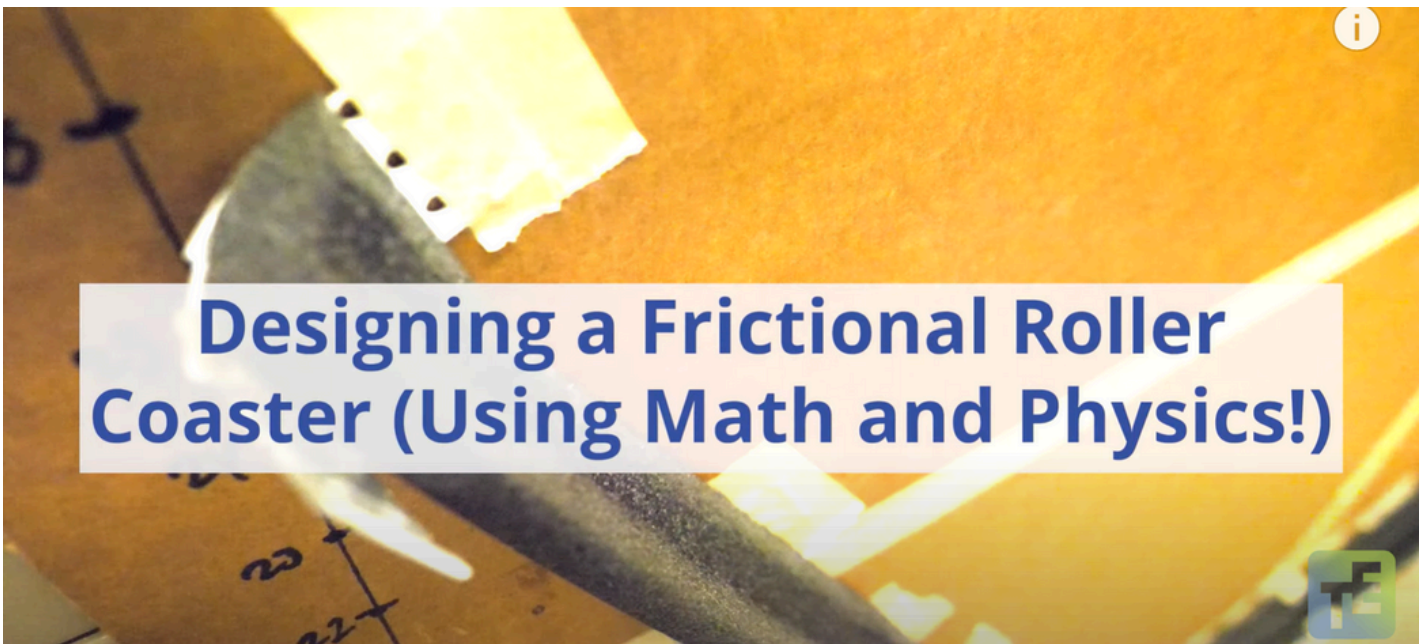


**Short Videos**



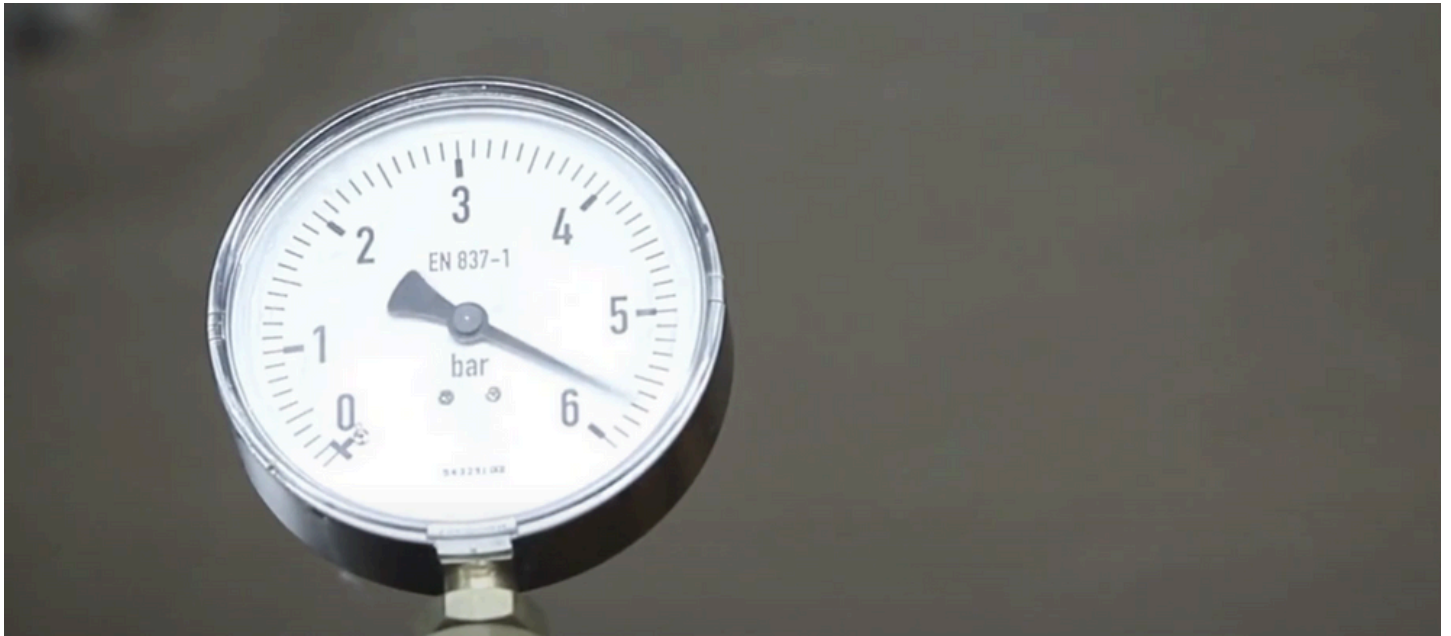
Video 1: Physics of Roller Coasters

<https://www.youtube.com/watch?v=cfPoFGtSnio&t=101s>



Video 2: Understanding Car Crashes: It's Basic Physics

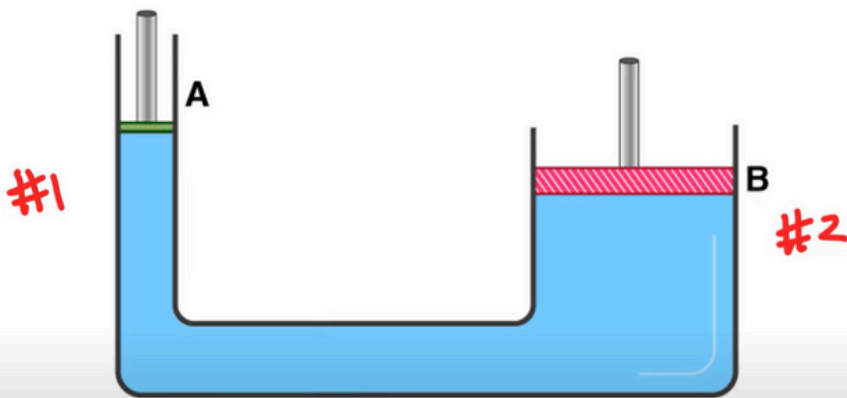
<https://www.youtube.com/watch?v=UPkdsFq-5yY>



Video 3: Understanding Force Transfer and Pascal's Law

<https://www.youtube.com/watch?v=xKCKZNYOUHo>

## Pascal's Principle



A pressure change applied to a confined fluid is transmitted undiminished to every point in the fluid and to the walls of the container.

PASCAL'S PRINCIPLE

Video 4: Pascal's Principle - Hydraulic Physics

<https://www.youtube.com/watch?v=7z2QgYc0OYs>