













## Pump It! Design-Build-Test Helpful Village Water Pumps

TeachEngineering

Design

Keep track of their materials costs, and calculate power and cost efficiencies of the prototype pumps.

Suggested Learning					
Time	7 : 30	Cost	0.00		
PreRequisites					
Requirements					
Skills					
		Focus	Level	Standard	Points
	Engineering				24
	Applied Science			<a href="#">NGSS</a>	24
	Written Communication			<a href="#">CC</a>	7
	Mathematics			<a href="#">CC</a>	7
<b>Total Skill Points</b>					<b>62</b>
Knowledge Gain					
State how a centrifugal pump works and how a displacement pump works. Calculate the power output of a pump.					
Resource Link					
<a href="https://www.teachengineering.org/activities/view/cub_pumpit_activity1">https://www.teachengineering.org/activities/view/cub_pumpit_activity1</a>					

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