










## Superhydrophobicity – The Lotus Effect

TeachEngineering

Simulation

Introduced to superhydrophobic surfaces and the "lotus effect."

| Suggested Learning  |         |   |  |                      |          |
|---|---------|---|--|----------------------|----------|
| Time  | 00 : 30 | Cost  | 0.00   |                      |          |
| PreRequisites   |         |   |  |                      |          |
| Requirements  |         |   |  |                      |          |
| Skills  |         | Focus   | Level  | Standard             | Points   |
|  Applied Science   |         |   |   | <a href="#">NGSS</a> | 2        |
|  Written Communication   |         |   |   | <a href="#">CC</a>   | 1        |
|  Mathematics  |         |  |  | <a href="#">CC</a>   | 1        |
| <b>Total Skill Points</b>   |         |   |  |                      | <b>4</b> |
| <b>Knowledge Gain</b>   |         |   |  |                      |          |
| Describe situations in which a superhydrophobic lotus-effect surface would be useful.   |         |   |  |                      |          |
| <b>Resource Link</b>  |         |   |  |                      |          |
| <a href="https://www.teachengineering.org/lessons/view/duk_surfacetensionunit_less4">https://www.teachengineering.org/lessons/view/duk_surfacetensionunit_less4</a> |         |   |  |                      |          |

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