

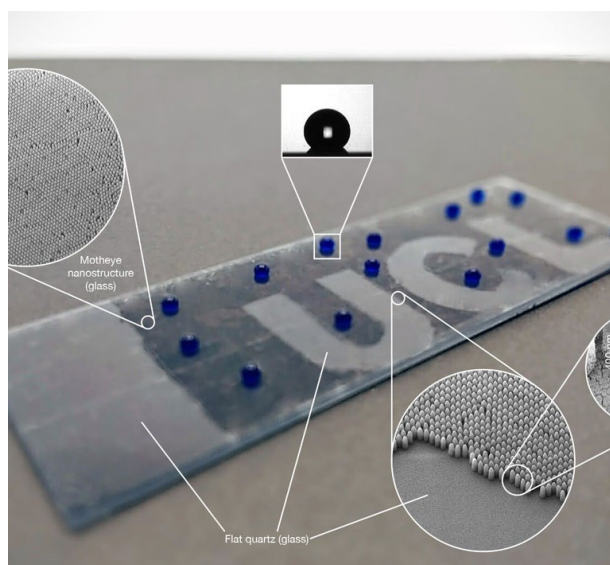


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A specialist Science College and Training School Invites you to a Public Understanding of Science Lecture:

Self-cleaning surfaces—how to treat oil slicks and make school uniforms that don't need washing....

Nature has developed plants that are completely water proof. These plants have a very rough surface (hairs) combined with a waxy layer which combine to give water repellence- the Lotus effect. Water rolls on these surfaces and acts as a miniature vacuum cleaner to pick up dirt and bacteria and help keep the plant clean. We have taken a leaf out of nature's book and can now make artificial self-cleaning surfaces. This lecture shows how surfaces can be made that repel water, dirt and oil. It also shows new devices that could be used to clean up oil slicks and help reduce pollution. It shows how in the future we could make clothes that never get dirty, bicycles where mud won't cling and car seats that chewing gum won't stick to. The lecture will provide opportunities for the audience to do some experiments on these surfaces....



**A talk by Professor Ivan Parkin, Professor of Materials Chemistry
at University College London and Dean of the Mathematical and
Physical Sciences faculty**



Science

Wednesday 14th June at 7.30 pm

Lecture Theatre, St Paul's Catholic School, Phoenix Drive,
Leadenhall, Milton Keynes, MK6 5EN. (Enquiries 01908 669735)

All Welcome, Admission Free