

NEAR Program Receives North Penn Education Foundation Grant

Shear Thickening Fluid, Liquid Armor Research

Lansdale, Pennsylvania—November 30, 2009—The Future is N.E.A.R. program (nanotechnology Education And Research) received a grant from the North Penn Education Foundation to begin research relating to the development and testing of a liquid armor known as a Shear Thickening Fluid.

The nanotechnology research students of the Engineering Design and Development course in the NPHS engineering academy will be experimenting with the development of a material known as a Shear Thickening Fluid. (STF) This fluid will be comprised of silica nanoparticles dispersed in a non-toxic, high temperature resistant polymer known as poly(ethylene glycol). Upon the successful creation of this fluid, the N.E.A.R. research students will be able to design and test various applications.

Please check the N.E.A.R. website often for updates and further developments.

To learn more about North Penn Education Foundation, please visit them at their [website](#). To learn more about the North Penn High School Engineering Academy and the nanotechnology research they are performing, please visit their websites at:

<http://www.northpennengineering.org> and <http://www.thefutureisnear.org>



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