



The Green Machine

2019 S.T.E.M. Challenge

Brought to you by:
Lancaster County 4-H and Heritage Creek Farm Camp

In this 4-month challenge, participants will learn about the six simple machines: the lever, wheel and axle, pulley, inclined plane, wedge and screw. These concepts will be introduced in fun and engaging ways and will be combined with farming activities and the engineering process. Each registered individual or team will be challenged to design, build and demonstrate a Rube Goldberg Machine (a device that uses a chain reaction to do a simple task in a complicated manor). Their Green Machine must use all six simple machines to do a simple agricultural task like planting a seed or watering a plant.

Where: Heritage Creek Farm
Camp, 1875 Milton Grove Road,
Mt. Joy, PA 17552

When: Saturdays; June 22, July
20, August 17, September 14

Time: 10am-12pm

Cost: \$30 for individual youth
ages 12+; \$50 per team of up to
4 (must include 1 adult) ages 8+

For more information or to register:

Call the Penn State Extension 4-H Program at (717) 394-6851 or email Patti Van Brederode at pev3@psu.edu

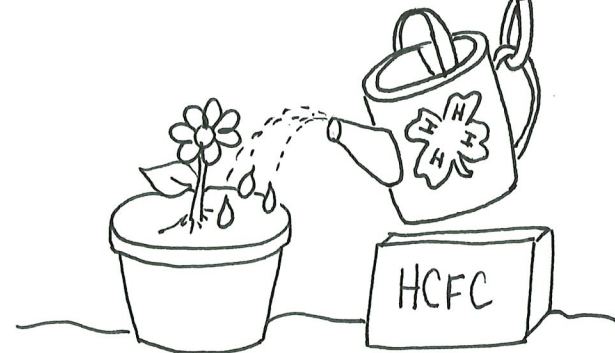
Or

Call Heritage Creek Farm Camp at (717) 653-HCFC or email Cindi Hughes at info@heritagecreekfarmcamp.com

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