

# MECHANICAL ENGINEERING MASTER MACHINES

FRIDAYS 6:00-7:30PM

APRIL 21-MAY 26, 2017

This event is not sponsored by Community Consolidated S.D. 146, any of its schools,  
or groups officially associated with the District



## STEM CLASSES FOR AGES 7-12

Engineering For Kids® brings the wonder and excitement of STEM education (Science, Technology, Engineering, Mathematics) to children ages 4-14 through a variety of hands-on learning experiences.

During the Mechanical Engineering class, students use the Engineering Design Process to design, create, test and improve a variety of machines and mechanical systems. Students learn basics of energy, traction, aerodynamics and durability while constructing roller coasters, eggstreme defense vehicles and an incredibly fast air-powered custom dragster.

Students Will:

- Analyze ideal angles to achieve the ideal rate of travel
- Utilize friction to control rate of travel
- Construct a free body diagram from the known forces
- Understand how the physics properties of velocity, acceleration and gravity relate to roller coasters



6 Weeks  
\$135  
Enroll Now

Class Size Limited to 24

<http://efkstem.com/2IVESgM>



LOCATION: KidsWork Children's Museum, 11 White Street, Frankfort, IL 60423

[www.engineeringforkids.com/chicagoland](http://www.engineeringforkids.com/chicagoland) • 708-250-5858

*Inspiring The Next Generation of Engineers*