

## STEM LEAGUE FINAL COMPETITION

Tuesday May 24th

Northern Highlands Regional High School, Allendale, NJ

Time 8AM to 2PM

### STEM CONCEPTS

**SCIENCE:** Newton's Second Law of Motion, Velocity, Potential Energy, Kinetic Energy, Friction

**MATH:** Measurements, Trigonometry and Polynomial Functions

**ENGINEERING:** Problem Solving Design Loop, Structural Engineering, Multi-view or Pictorial drawings

**TECHNOLOGY:** CAD Program – you supply the two 2 lap tops with a CAD program (whatever work for your students) for the drawings