Sports Science Lab

Overview

- Focused on bat (softball/baseball) performance
  - Testing criteria for the bats
  - Certification center for amateur baseball/softball leagues

- Research on sports (centered around baseball/softball)
  - Aerodynamics (lift/drag for baseballs)
  - Damage of the bat composites
  - Determining if bats have been artificially damaged
  - Protective equipment (helmets, facemasks)
  - Taekwondo and boxing impact forces for punches and kicks
  - Energy dissipation of materials (trampoline effect)

- Physics
  - Coefficient of restitution and energy transfer in the bat/ball impact