**Force and Motion Sphero Olympics**

**Event 1: Gravitational Effect**

d. Demonstrate the effect of gravitational force on the motion of an object.

Robot: Ollie Task: Increase pitch of ramp, record observations during each trial

**Event 2: Force, Speed, and Motion**

b. Using different size objects, observe how force affects speed and motion.

Robot: SPRK+ Task: Pull, Push, Carry objects of different weights, record observations during each trial

**Event 3: Sumo Inertia**

c. Explain what happens to the speed or direction of an object when a greater force than the initial one is applied.

Robot: SPRK+ with Nubby covers Task: Sumo style competition within cirlce