

# **3-Stage System**

- Get Warm
- Get Loose
- Get Athletic



#### **Benefits**

- These warm-up sequences do far more than just boost your body temperature.
- They're also used to increase the variety of activity in your workouts.
- They also help you develop a more well-rounded body that's not just stronger and better looking but also more mobile— benefits that the typical warm-up on the treadmill or bike simply can't match.



# **Multiple Clients: Individualization**

**Get Warm:** Everyone does it.

Get Mobile: Everyone does it.

Get Athletic: Not everyone does it.

Beginners don't do the Get Athletic.



#### **Functional Movements Addressed**

- Jumping and Landing
- Throwing and Striking
- Locomotion
- Rotation

 Locomotion: The agility ladder ladder provides a fun and interesting way to exercise.



# **Power Training**

- Do something fast everyday.
- Explosive vs. Reactive power



## Power Training Isn't Just for Athletes!

- Power training has been shown to increase older adults' ability to perform activities of daily living (ADL) more than standard strength training. (1)
- "Between the ages of 65 and 89, explosive lower-limb extensor power has been reported to decline at 3.5% per year compared to a 1-2% per year decrease in strength." (2)
- "Although power is related to strength, it is a separate attribute that may exert a greater influence on physical performance." (7)
- The association between power and successful aging is apparent in the research for:
  - The maintenance of independence (3,4)
  - Fall prevention (less probability) (5)
  - Rehabilitation from injury (6)



## Logistics

- Blending Power and Mobility.
- Make better use of your workout time.
- Mobility as active rest between power.



## Mobility

#### The Big 3:

- Ankles
- Hips
- Thoracic Spine
- "If you don't use it, you lose it."
- Move your joints into their end range of motion, whereas the strength-training avoids end-range joint actions in order to maximize safety in handling heavy loads.

## Warm-Up: Specific vs. General

- Specific warm-ups serve essentially as "build-up" sets because they are simply lighter, less intense versions of whatever exercises you're getting ready to perform; they are used to build up gradually to your working intensity.
- Power build-up sets
- The warm-up sequences are general warm-ups because they involve a few general athletic, coordination and mobility exercises.

# **Time**

No longer than 10 mins.



#### **References:**

- 1. Haff, G. H. (2012). Resistance Training Program Design. In J. W. Coburn, M. H. Malek, J. W. Coburn, & M. H. Malek (Eds.), NSCA's Essentials of Personal Training (2nd ed., pp. 347-388). Champaign, IL: Human Kinetics.
- 2. Skelton, D.A., et al. 1994. Strength, power and related functional ability of healthy people aged 65–89 years. *Age and Ageing*, 23 (5), 371–77.
- 3. Joseph Signorile, PhD Power Training for Older Adults. Nov 2007. IDEA Fitness Journal. Published Online.
- 4. Foldvari, M., et al. 2000. Association of muscle power with functional status in community-dwelling elderly women. *Journal of Gerontology*, *55A* (4), M192–99.
- 5. Whipple, R.K., et al. 1987. The relationship of knee and ankle weakness to falls in nursing home residents: An isokinetic study. *Journal of the American Geriatrics Society, 35* (1), 13–20.
- 6. Lamb, S.E., Morse, R.E., & Evans, J.G. 1995. Mobility after proximal femoral fracture: the relevance of leg extensor power, postural sway and other factors. *Age & Ageing*, *24* (4), 308–14.
- 7. Bean JF, et al. The relationship between leg power and physical performance in mobility-limited older people. J Am Geriatr Soc. 2002 Mar;50(3):461-7.