Muscular System and Movement



Big idea: The body systems and their impact on physical activity.

Muscle Contraction	Characteristics
Isometric	Muscle contracts but NO MOVEMENT takes places Example: ski sit, tug of war, handstand
Concentric	Muscle contracts and movement takes place All movements except stationary ones and ones going down Example: kicking a ball, throwing, shooting
Eccentric	Muscle contracts and lengthens when tensed All movements that go against gravity eg. Downwards Example: downwards part of press up.

Antagonistic Muscle Pairs

Definition: Muscles work in pairs- when one contracts the other relaxes

- Agonist- muscle that contracts to cause movement
- Antagonist- muscle that relaxes during movement

