ECMS PHYSICAL EDUCATION DEPARTMENT - HOW TO CALCULATE TARGET HEART RATE ZONE

PURPOSE

It is very important throughout life to maintain a strong and healthy heart and lungs (*aerobic capacity*). The best way to do this is to participate in 30-45 minutes of moderate to vigorous exercise per day. To make sure you are getting the most out of your workouts, you should exercise within what is called your "**Training Heart Rate Zone**". This worksheet will teach you how to calculate for that zone/range, which is 60-80% of your maximum heart rate. (60% = low intensity, 70% = moderate intensity, 80% = high intensity)

KEY TERMS/VOCABULARY

Maximal HR (MHR) - is found by subtracting 220 - your age. [220 - age = MHR]
Resting HR (RHR) - the rate your heart beats when at rest for at least 30 minutes
Target HR (THR) - is the number of times you want your heart to beat during low to high Intensity exercise to achieve or maximal *aerobic capacity* and good health.
Target Heart Rate Zone - The numerical range within which you want your heart to beat during exercise. In class this range/ zone is 60-80% of your Maximal HR. (MHR)

HOW TO LOCATE YOUR PULSE

Every time your heart beats it sends a wave of pressure along your arteries. This wave is called your **PULSE** and it can be felt in several areas throughout your body. The 2 most common places to find your pulse are your **carotid artery** (front of neck) and **radial artery** (wrist). You can find your pulse by placing 2 fingers (using your finger pads) on either the carotid or radial arteries. (You should never use your thumb. Your thumb has it's own pulse)

Carotid Artery- located on the front side of your neck on either side of the (Adams Apple) the lump in the center of your neck/front of your throat.

Radial Artery- located on the underside of your wrist on the thumb side, it is the spot where your arm changes into your hand. (*see picture down to the right on this worksheet*)

CALCULATING YOUR TARGET HEART RATE ZONE - for low to high intensity exercise

<u>STEP 1</u>- Find your *Resting Heart Rate (RHR)* by counting your pulse for 60 seconds My RHR is _____ bpm

STEP 2 - Find your Maximal Heart Rate (MHR) by subtracting 220 - your age 220 = my age my MHR	
STEP 3 Find "N" by subtracting your MHR (maximal HR) - RHR (resting HR) - - MHR RHR N Ra R R	dial artery
STEP 4- Find the LOWER END of your Training Heart Rate ZONE (THR) x .6 = = = N RHR Iower THR	The second secon
STEP 5- Find the UPPER END of your Training Heart Rate ZONE (THR)	
My Target Heart Rate Zone is to beats per beats per higher THR	minute (BPM)

