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－Complete Racing Solutions（CRS）Swim Assessment（500 Yards）
Workout Notes：This assessment block is going to test your muscular endurance and power output for 500 yards．Fight the tendency to push the pace too hard initially－if you do fall into this＂trap＂don＇t be afraid to slow the tempo down slightly，but continue to focus on your＂reach＂to the end of the pool to keep your momentum optimized．Stretch and hydrate as indicated to maintain your range of motion and to reduce the risk of pulling a muscle．
Post Workout Protocols
－Flexibility：complete an entire stretch routine for your hips，hamstrings，quads and calves
－Nutrition：immediately consume 8－10 ounces of Recovery Fuel to replace depleted muscle sugar \＆repair muscle tissue
－（Evening Work）Contrast Therapy
Misc．Notes：about an hour before you head to bed，take a cold bath／shower．Soak your legs for 10 minutes－no stretching，and then go into a hot bath／shower for 10 minutes．Repeat the 10 cold／hot again．After you second contrast session，stretch passively for 15 minutes while consuming 8 to 10 ounces of cold water（drink it slowly）and then head directly to bed．Once you are laying down and relaxed，implement your Diaphragmatic Breathing drill until you fall asleep．

| CTS Swim Assessment |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Workout Distance | 2000 Yards | Focus：Test Race Specific Speed and Endurance |  |  |
|  |  | Description | Intensity | Elapsed Yards |
| Warm Up | 500 Yards | Focus：Loosen up the working tissue |  |  |
| Elapsed Time |  | 200 Free with Emphasis on Glide／100 Catch Up／ 200 Free－Easy <br> Rest 1 Minute－Stretch for 1 minute－Hydrate with Energy Fuel | ＜40\％ | 500 |
| Main Set \＃1 | 300 Yards | Focus：Activate the lactic acid shuffle within the muscles | Intensity | Elapsed Yards |
| Elapsed Time |  | 50 Yards－ 25 Catch Up Down／ 25 Free Back ：30 RI | 50－60\％ | 550 |
| Elapsed Time |  | 50 Yards－25 Catch Up Down／ 25 Free Back ：30 RI（Slightly Faster） | 60－70\％ | 600 |
| Elapsed Time |  | 50 Yards－25 Catch Up Down／ 25 Free Back ：15 RI（Slightly Faster） | 70－80\％ | 650 |
| Elapsed Time |  | 50 Yards－ $\mathbf{2 5}$ Catch Up Down／ 25 Free Back ：30 RI <br> Rest 1 Minute－Stretch for 1 minute | 50－60\％ | 700 |
| Elapsed Time |  | 25 Yard Gradual Acceleration－：20 RI（Don＇t rush the pull through） | INCREMENTAL | 725 |
| Elapsed Time |  | 25 Yard Gradual Acceleration－：20 RI（Don＇t rush the pull through） | INCREMENTAL | 750 |
| Elapsed Time |  | 25 Yard Gradual Acceleration－：20 RI（Don＇t rush the pull through） | INCREMENTAL | 775 |
| Elapsed Time |  | $\mathbf{2 5}$ Yard Gradual Acceleration－：20 RI（Don＇t rush the pull through） <br> Rest 1 Minute－Stretch for 1 minute－Hydrate with Energy Fuel | INCREMENTAL | 800 |
| Main Set \＃2 | 800 Yards | Focus：Race Speed Assessment | Intensity | Elapsed Yards |
| Elapsed Time |  | 200 Yards Straight Swim－Comfortable Pace／Stay Tall and Relaxed 500 Yard Time Trial at Quarter Mile Race Pace－hold your form！ Straight 500 yards，capture your time for each 100 | 60\％ | 1000 |
| Elapsed Time |  | 1st 100 Yard Pace | 90－95\％ | 1100 |
| Elapsed Time |  | 2nd 100 Yard Pace | 90－95\％ | 1200 |
| Elapsed Time |  | 3rd 100 Yard Pace | 90－95\％ | 1300 |
| Elapsed Time |  | 4th 100 Yard Pace | 90－95\％ | 1400 |
| Elapsed Time |  | 5th 100 Yard Pace | 90－95\％ | 1500 |
|  |  | 100 Yards Easy Swim－back stroke and breast work fine as well Rest 1 Minute－Stretch for 1 minute－Hydrate with Energy Fuel | ＜60\％ | 1600 |
| Warm Down | 400 Yards | 200 Pull Buoy Only／ 200 Back and Breast－very relaxed | ＜40\％ | 2000 |

－Complete Training Solutions（CTS）Swim Assessment（500 Yards）
Workout Notes：This assessment block is going to test your muscular endurance and power output for 500 yards．Fight the tendency to push the pace too hard initially－if you do fall into this＂trap＂don＇t be afraid to slow the tempo down slightly but continue to focus on your＂reach＂to the end of the pool to keep your momentum optimized．Stretch and hydrate as indicated to maintain your range of motion and to reduce the risk of pulling a muscle．

[^0]- Complete Racing Solutions (CRS) Even Tempo Swim (45 Minutes)

Workout Notes: Your focus needs to be relaxing and "putting in yards"; with this in mind, do not keep a clock on your swim intervals, simply just swim for 10 minutes at a time (beginning to end).

Pre-Hydration \& Nutrition: 10-15 minutes prior to this workout, consume 8-10 ounces of Energy Fuel to top off both your calories and provide electrolytes for proper muscle contraction.
Warm Up (PE Scale 2 or less): 10 Minutes even; mentally focus on allowing the blood to distribute into your extremities.
Main Set (PE Scale 4-5): $3 \times 10$ minutes with pull buoy only; breathe every $3^{\text {rd }}$ stroke from the beginning; focus on keeping your stomach muscles tight which will keep your lower back straight (hence more streamlined).
Rest 1-2 minutes after each 10-minute block (stretch and hydrate as needed).
Cool Down (PE Scale 3 or less): 5 Minutes even; by keeping the intensity low, you are allowing the blood to come back to the heart region (this facilitates your recovery process before you even get out of the water).

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue
- Complete Racing Solutions (CRS) Even Tempo Swim (50 Minutes)

Workout Notes: strive to keep your effort low; feel free to add pull buoy (no paddles) for any of the sets. Refrain from pulling too hard or try too hard-you will lose the benefit of this week - active recovery. Hydrate and stretch in between each set.

Warm Up: 600 straight; breathe every stroke with an emphasis on "reaching" for the other end of the pool
Main Set: $6 \times 5$-minute straight swim; put all of your swim drills into one complete package:
1 Minute rest/stretch/hydrate
Cool Down: 200 straight; breathe every stroke with an emphasis on "reaching" for the other end of the pool

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue
- Complete Racing Solutions (CRS) Even Tempo Swim (1 Hour)

Workout Notes: Your focus needs to be relaxing and "putting in yards"; with this in mind, do not keep a clock on your swim intervals, simply just swim for 10 minutes at a time (beginning to end).
Pre-Hydration \& Nutrition: 10-15 minutes prior to this workout, consume 8-10 ounces of Energy Fuel to top off both your calories and provide electrolytes for proper muscle contraction.
Warm Up: 15 Minutes even; mentally focus on allowing the blood to distribute into your extremities.
Main Set: $4 \times 10$ minutes with pull buoy only; breathe every $3^{\text {rd }}$ stroke from the beginning; focus on keeping your stomach muscles tight which will keep your lower back straight (hence more streamlined).
Rest 1-2 minutes after each 10-minute block (stretch and hydrate as needed).
Warm Down: 5 Minutes even; by keeping the intensity low, you are allowing the blood to come back to the heart region (this facilitates your recovery process before you even get out of the water).

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue


## - Complete Triathlon Solutions ( (CTS) Even Tempo Swim (45 Minutes)

Workout Notes: strive to keep your effort low; feel free to add pull buoy (no paddles) for any of the sets. Your body will be tight from head to toe from this weekend, so don't pull too hard or try too hard-you will risk pulling something. Hydrate and stretch in between each set.

Warm Up: 600 straight; breathe every stroke with an emphasis on "reaching" for the other end of the pool
Main Set: $5 \times 4$-minute straight swim; put all of your swim drills into one complete package: 1 Minute rest/stretch/hydrate
Cool Down: 200 straight; breathe every stroke with an emphasis on "reaching" for the other end of the pool

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue

Note: If your heart rate is up by four or more beats over last week's average - do not train, sleep and eat instead!

- Complete Training Solutions (CTS) Even Tempo Swim (1 Hour)

Workout Notes: strive to keep your effort low; feel free to add pull buoy (no paddles) for any of the sets. Refrain from pulling too hard or try too hard-you will lose the benefit of this week - active recovery. Hydrate and stretch in between each set.
Warm Up: 600 straight; breathe every stroke with an emphasis on "reaching" for the other end of the pool
Main Set: $8 \times 5$-minute straight swim; put all of your swim drills into one complete package:
1 Minute rest/stretch/hydrate
Cool Down: 200 straight; breathe every stroke with an emphasis on "reaching" for the other end of the pool
Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue
- Complete Training Solutions (CTS) Even Tempo Swim (1 Hour)

Workout Notes: Your focus needs to be relaxing and "putting in yards"; with this in mind, do not keep a clock on your swim intervals, simply just swim for 10 minutes at a time (beginning to end).
Warm Up: 15 Minutes even; mentally focus on allowing the blood to distribute into your extremities.
Main Set: $4 \times 10$ minutes with pull buoy only; breathe every $3^{\text {rd }}$ stroke from the beginning; focus on keeping your stomach muscles tight which will keep your lower back straight (hence more streamlined).
Rest 1-2 minutes after each 10-minute block (stretch and hydrate as needed).
Warm Down: 5 Minutes even; by keeping the intensity low, you are allowing the blood to come back to the heart region (this facilitates your recovery process before you even get out of the water).

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue


## - Complete Training Solutions (CTS) Even Tempo Swim (60 Minutes)

Workout Notes: strive to keep your effort low; feel free to add pull buoy (no paddles) for any of the sets. Your body will be tight from head to toe from this weekend, so don't pull too hard or try too hard-you will risk pulling something. Hydrate and stretch in between each set.
Warm Up: 600 straight; breathe every stroke with an emphasis on "reaching" for the other end of the pool
Main Set: $10 \times 5$-minute straight swim; put all of your swim drills into one complete package:
1 Minute rest/stretch/hydrate
Cool Down: 200 straight; breathe every stroke with an emphasis on "reaching" for the other end of the pool
Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue

| Complete Racing Solutions (CRS) Workout \#1 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Workout Distance | $\begin{aligned} & 1600 \\ & \text { Yards } \end{aligned}$ | Workout Overview: Enhance your aerobic capacity and strength |  |  |
|  |  | Description | Intensity | Elapsed Yards |
| Warm Up | $\begin{aligned} & 300 \\ & \text { Yards } \end{aligned}$ | Focus: warm up and turn on the muscle fibers for next 2 sets |  |  |
| Time Not Needed Time Not Needed Time Not Needed |  | 100 Free with pull buoy only - feel for proper balance :20 RI <br> 100 Kick with board / focus on kicking from your hip flexors :20 RI <br> 100 Free with paddles only / focus on pushing chest down to keep hips up Rest 1 Minute - Stretch for 1 minute | $\begin{aligned} & 50-60 \% \\ & 50-60 \% \\ & 50-60 \% \end{aligned}$ | $\begin{aligned} & 100 \\ & 200 \\ & 300 \end{aligned}$ |
| Main Set \#1 | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: Stroke Efficiency | Intensity | Elapsed Yards |
| Elapsed Time |  | $\mathbf{3 0 0}$ Straight swim - get your stroke count the last $\mathbf{2 5}$ yards of each $\mathbf{5 0}$ To keep you accountable. Be sure to capture your time for Set \#2 Rest 1 Minute/Stretch | 75-80\% | 600 |
| Main Set \#2 | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: Pacing and body balance late | Intensity | Elapsed Yards |
| Elapsed Time |  | 300 Straight swim - strive to be 1 to $\mathbf{2}$ seconds faster than Set \#1. If your stroke count increases, mentally focus on complete rotation (belly button \& chest facing the side of the pool). This will increase your efficiency \& glide. | 75-80\% | 900 |
| Main Set \#3 | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: Mental Focus | Intensity | Elapsed Yards |
| Elapsed Time |  | 300 Straight swim - strive to be $\mathbf{1}$ to $\mathbf{2}$ seconds faster than Set \#2. When you push off of the wall, "feel" for the streamlined position and strive to maintain this in between strokes. | 75-80\% | 1200 |
| Warm Down | $\begin{aligned} & 400 \\ & \text { Yards } \end{aligned}$ | 50 Freestyle kick with board - very easy/150 yards free - very relaxed | < 50\% | 1600 |

- Complete Training Solutions (CTS) Swim Workout \#1 (1600 Yards)

Workout Notes: This workout will test your patience, your mind and your muscles. If you go out too hard initially, this workout will be more difficult than it needs to be. The fun part about this workout is that if you maintain your distance per stroke along with relaxed breathing, you have established a platform for your body to slice through the water. The distance shouldn't be an issue for your muscular system; however, your mind may want to wander causing you to lose your balance, so stay aware of this early in the workout.

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue

| Complete Racing Solutions (CRS) Swim Workout \#2 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Workout Distance | $\begin{aligned} & 1500 \\ & \text { Yards } \end{aligned}$ | Workout Overview: Enhance Your Aerobic Engine |  |  |
|  |  | Description | Intensity | Elapsed Yards |
| Warm Up | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: getting the muscles warm up |  |  |
| Time Not Needed Time Not Needed Time Not Needed Time Not Needed |  | 100 Free - no toys/breathe every 3rd stroke throughout :20 RI <br> 100 Free - pull buoy only/relaxed pulling/breathe every stroke :20 RI <br> 50 Kick with board / even tempo / focus on your hips :20 RI <br> 50 Free - no toys / breathe every 3rd stroke / rotate and stay tall <br> Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | $\begin{aligned} & 50 \% \\ & 50 \% \\ & 50 \% \\ & 50 \% \end{aligned}$ | $\begin{aligned} & 100 \\ & 200 \\ & 250 \\ & 300 \end{aligned}$ |
| Main Set \#1 | $\begin{gathered} 400 \\ \text { Yards } \end{gathered}$ | Focus: Aerobic Enhancement | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time Elapsed Time Elapsed Time |  | PBuoy only - 100 Yards breathing every 3rd stroke/rotate completely :10RI | 75\% | 400 |
|  |  | PBuoy only - 100 Yards breathing every 5th stroke/belly breathing :10 RI | 75\% | 500 |
|  |  | PBuoy only - 100 Yards breathing every 3rd stroke/rotate completely :10RI | 75\% | 600 |
|  |  | PBuoy only -100 Yards breathing every 5th stroke/belly breathing :10 RI | 75\% | 700 |
|  |  | Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel |  |  |
| Main Set \#2 | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: High Effort with Correct Body Position | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time Elapsed Time |  | 50 Yards - Breathing Every 5th Stroke / Control your exhale :10 RI | 70\% | 750 |
|  |  | 50 Yards - Breathe Every 3rd Stroke / Breathe in when you can :10 RI | 70\% | 800 |
|  |  | 50 Yards - Fast and aggressive with controlled breathing :30 RI Rest 1 Minute - Stretch for 1 minute | 90\% | 850 |
| Elapsed Time Elapsed Time Elapsed Time |  | 50 Yards - Breathing Every 5th Stroke / Control your exhale :10 RI | 70\% | 900 |
|  |  | 50 Yards - Breathe Every 3rd Stroke / Breathe in when you can :10 RI | 70\% | 950 |
|  |  | 50 Yards - Fast and aggressive with controlled breathing :30 RI Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | 90\% | 1000 |
| Main Set \#3 | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: Aerobic Enhancement | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time |  | 200 Yards with pull buoy and paddles - feel for the catch and rotation :15 RI 100 Yards - kick with board / even effort / focus on kicking from hips Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | $\begin{aligned} & 75 \% \\ & 75 \% \end{aligned}$ | $\begin{aligned} & 1200 \\ & 1300 \end{aligned}$ |
| Warm Down | $\begin{gathered} 200 \\ \text { Yards } \end{gathered}$ | All Freestyle / Feel for your body's rotation and glide in between strokes | 40\% | 1500 |

Workout Notes: Keep a close eye on the indicated notes for each set. The foundation for the workout is to set up proper body position so that you are leveraging your high elbow position. With the elbow up, you can plant your hand (leveraging the water resistance) and move beyond where your hand catches the water. With good rotation, you get the pressure off of your shoulder and move the load levels to your large back muscles. You want to feel the muscles pulling from under your arm pit and into your lower back - very strong muscles! Stop and stretch if you feel anything beginning to tighten up anywhere. Failure to do so could result in a muscle pull.

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue

[^1]| Complete Training Solutions (CTS) Swim Workout \#3 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Workout Distance | $\begin{aligned} & 2500 \\ & \text { Yards } \end{aligned}$ | Workout Overview: Enhance Your Aerobic Engine |  |  |
|  |  | Description | Intensity | Elapsed Yards |
| Warm Up | $\begin{aligned} & 600 \\ & \text { Yards } \end{aligned}$ | Focus: getting the muscles warm up |  |  |
| Time Not Needed Time Not Needed Time Not Needed Time Not Needed |  | 200 Free - no toys/breathe every 3rd stroke throughout :20 RI <br> 200 Free - pull buoy only/relaxed pulling/breathe every stroke :20 RI <br> 100 Kick with board / even tempo / focus on your hips :20 RI <br> 100 Free - no toys / breathe every 3rd stroke / rotate and stay tall <br> Rest 1 Minute - Stretch for 1 minute | $\begin{aligned} & 50 \% \\ & 50 \% \\ & 50 \% \\ & 50 \% \end{aligned}$ | $\begin{aligned} & 200 \\ & 400 \\ & 500 \\ & 600 \end{aligned}$ |
| Main Set \#1 | $\begin{aligned} & 600 \\ & \text { Yards } \end{aligned}$ | Focus: Aerobic Enhancement | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time Elapsed Time Elapsed Time |  | P.Buoy only - 200 Yards breathing every 3rd stroke / rotate completely :10RI <br> P.Buoy only - $\mathbf{1 0 0}$ Yards breathing every 5th stroke / belly breathing :10 RI <br> P.Buoy only - 200 Yards breathing every 3rd stroke / rotate completely :10RI <br> P.Buoy only - $\mathbf{1 0 0}$ Yards breathing every 5th stroke / belly breathing :10 RI Rest 1 Minute - Stretch for 1 minute | $\begin{aligned} & 75 \% \\ & 75 \% \\ & 75 \% \\ & 75 \% \end{aligned}$ | $\begin{gathered} 800 \\ 900 \\ 1100 \\ 1200 \end{gathered}$ |
| Main Set \#2 <br> Elapsed Time <br> Elapsed Time <br> Elapsed Time <br> Elapsed Time <br> Elapsed Time <br> Elapsed Time | $\begin{aligned} & 600 \\ & \text { Yards } \end{aligned}$ | Focus: High Effort with Correct Body Position | Intensity | Elapsed Yards |
|  |  | 100 Yards - Breathing Every 5th Stroke / Control your exhale :10 RI <br> 100 Yards - Breathe Every 3rd Stroke / Breathe in when you can :10 RI <br> 100 Yards - Fast and aggressive with controlled breathing :30 RI <br> Rest 1 Minute - Stretch for 1 minute <br> 100 Yards - Breathing Every 5th Stroke / Control your exhale :10 RI <br> 100 Yards - Breathe Every 3rd Stroke / Breathe in when you can :10 RI <br> 100 Yards - Fast and aggressive with controlled breathing :30 RI <br> Rest 1 Minute - Stretch for 1 minute | $\begin{aligned} & \mathbf{7 0 \%} \\ & \mathbf{7 0 \%} \\ & \mathbf{9 0 \%} \\ & \\ & \mathbf{7 0 \%} \\ & \mathbf{7 0 \%} \\ & \mathbf{9 0 \%} \end{aligned}$ | $\begin{aligned} & 1300 \\ & 1400 \\ & 1500 \\ & \\ & 1600 \\ & 1700 \\ & 1800 \end{aligned}$ |
| Main Set \#3 | $\begin{aligned} & 500 \\ & \text { Yards } \end{aligned}$ | Focus: Aerobic Enhancement | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time |  | 300 Yards with pull buoy and paddles - feel for the catch and rotation 200 Yards - kick with board / even effort / focus on kicking from hips Rest 1 Minute - Stretch for 1 minute | $\begin{aligned} & 75 \% \\ & 75 \% \end{aligned}$ | $\begin{aligned} & 2100 \\ & 2300 \end{aligned}$ |
| Warm Down | $\begin{aligned} & 200 \\ & \text { Yards } \\ & \hline \end{aligned}$ | All Freestyle / Feel for your body's rotation and glide in between strokes | 40\% | 2500 |

Workout Notes: Keep a close eye on the indicated notes for each set. The foundation for the workout is to set up proper body position so that you are leveraging your high elbow position. With the elbow up, you can plant your hand (leveraging the water resistance) and move beyond where your hand catches the water. With good rotation, you get the pressure off of your shoulder and move the load levels to your large back muscles. You want to feel the muscles pulling from under your arm pit and into your lower back - very strong muscles! Stop and stretch if you feel anything beginning to tighten up anywhere. Failure to do so could result in a muscle pull.

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue

[^2]| Complete Training Solutions（CTS） <br> Swim Workout \＃4 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Workout Distance | $\begin{aligned} & 2600 \\ & \text { Yards } \end{aligned}$ | Workout Overview：Enhance your aerobic capacity and strength |  |  |
|  |  | Description | Intensity | Elapsed Yards |
| Warm Up <br> Time Not Needed Time Not Needed Time Not Needed | $\begin{gathered} 600 \\ \text { Yards } \end{gathered}$ | Focus：warm up and turn on the muscle fibers for next 2 sets |  |  |
|  |  | 200 Free with pull buoy only－feel for proper balance ：20 RI <br> 200 Kick with board／focus on kicking from your hip flexors ：20 RI <br> 200 Free with paddles only／focus on pushing chest down to keep hips up Rest 1 Minute－Stretch for 1 minute | $\begin{aligned} & \mathbf{4 0 \%} \\ & 40 \% \\ & \mathbf{4 0 \%} \end{aligned}$ | $\begin{aligned} & 200 \\ & 400 \\ & 600 \end{aligned}$ |
| Main Set \＃1 Elapsed Time | $\begin{aligned} & 600 \\ & \text { Yards } \end{aligned}$ | Focus：Stroke Efficiency | Intensity | Elapsed Yards |
|  |  | 600 Straight swim－capture your stroke count the last $\mathbf{2 5}$ yards of each 100 to keep you honest throughout．Be sure to capture your time for Set \＃2 <br> Rest 1 Minute／Stretch | 75\％ | 1200 |
| Main Set \＃2 Elapsed Time | $\begin{aligned} & 1200 \\ & \text { Yards } \end{aligned}$ | Focus：Pacing and body balance late | Intensity | Elapsed Yards |
|  |  | 1200 Straight swim－your goal is simply to maintain your stroke count and have your elapsed time be double of Set \＃1．This will require as much mental as it will physical．Don＇t get complacent with your pull phase．．． | 75\％ | 1800 |
|  |  | Rest 1 Minute／Stretch |  |  |
| Main Set \＃3 | $\begin{gathered} 600 \\ \text { Yards } \end{gathered}$ | Focus：Mental Focus | Intensity | Elapsed Yards |
| Elapsed Time |  | 600 Straight swim－strive to be $\mathbf{5}$ to $\mathbf{1 0}$ seconds faster than Set \＃1．If you put a little more power out early，you will have some insurance in the bank．．． | 75\％ | 2400 |
| Warm Down | $\begin{gathered} 200 \\ \text { Yards } \end{gathered}$ | 150 Freestyle kick with board－very easy／50 yards free－very relaxed | 40\％ | 2600 |

Workout Notes：This workout will test your patience，your mind and your muscles．If you go out too hard initially，this workout will be more difficult than it needs to be．The fun part about this workout is that if you maintain your distance per stroke along with relaxed breathing，you have established a platform for your body to slice through the water．The distance shouldn＇t be an issue for your muscular system；however，your mind may want to wander causing you to lose your balance，so stay aware of this early in the workout．

## Post Workout Protocols

－Flexibility：complete an entire stretch routine for your hips，hamstrings，quads and calves
－Nutrition：immediately consume 8－10 ounces of Recovery Fuel to replace depleted muscle sugar \＆repair muscle tissue


Workout Notes: focus on good body position to allow your muscles to move you efficiently through the water (the more you reduce inefficient body position, the easier it will be for you to get up to speed and maintain for the entire interval duration). Notice that when you push off the wall and stay streamlined, you move through the water easily - strive to maintain this same sensation while you are actually swimming!

Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue

[^3]| Workout Distance | 2500 Yards | Workout Overview: Muscular Endurance \& Body Position |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 600 Yards | Set Focus: Longer warm up than normal | Intensity | Elapsed Yards |
| Irrelevant |  | 100 Free - 200 Kick with board - 200 Free w.pull buoy - 100 Kick w.board | < 50\% | 600 |
|  |  | Rest 1 Minute - Stretch Total Body |  |  |
| Main Set \#1 Elapsed Time Elapsed Time Elapsed Time Elapsed Time | 200 Yards | Set Focus: Sprint Speed | Intensity | Elapsed Yards |
|  |  | 25 Yard all out sprint with maximum efficiency :30 RI | 75-80\% | 625 |
|  |  | 25 Yard all out sprint with maximum efficiency :30 RI | 75-80\% | 650 |
|  |  | 25 Yard all out sprint with maximum efficiency :30 RI | 75-80\% | 675 |
|  |  | 25 Yard all out sprint with maximum efficiency :30 RI | 75-80\% | 700 |
|  |  | Rest Additional 30 Seconds |  |  |
| Elapsed Time Elapsed Time Elapsed Time Elapsed Time |  | 25 Yard all out sprint with maximum efficiency :30 RI 25 Yard all out sprint with maximum efficiency :30 RI 25 Yard all out sprint with maximum efficiency :30 RI 25 Yard all out sprint with maximum efficiency :30 RI | 75-80\% | 725 |
|  |  |  | 75-80\% | 750 |
|  |  |  | 75-80\% | 775 |
|  |  |  | 75-80\% | 800 |
|  |  | Rest 1 Minute - Stretch Total Body \& Re-hydrate with Energy Fuel |  |  |
| Main Set \#2 | 500 Yards | Set Focus: Incremental Acceleration | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time Elapsed Time Elapsed Time Elapsed Time |  | 100 Yards - Easy tempo with high body position | 60-70\% | 900 |
|  |  | 100 Yards - Easy tempo - increase your leg turnover | 70-75\% | 1000 |
|  |  | 100 Yards - Slightly faster arm turnover - solid leg turnover | 80-85\% | 1100 |
|  |  | 100 Yards - Sprint Effort (same pace per 25 yards) | 90-95\% | 1200 |
|  |  | 100 Yards - Sprint Effort (same pace per 25 yards) | 90-95\% | 1300 |
|  |  | Rest 1 Minute - Stretch Total Body \& Re-hydrate with Energy Fuel |  |  |
| Main Set \#3 | 500 Yards | Set Focus: Muscular Endurance - focusing on balance and stroke count | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time |  | 300 Yards with pull buoy and paddles (breath every 3rd stroke) :30 RI 200 Yards with kick board - knees under the water (feel the hips) :30 RI | $\begin{aligned} & 75-80 \% \\ & 75-80 \% \end{aligned}$ | $\begin{aligned} & 1600 \\ & 1800 \end{aligned}$ |
|  |  | Rest 1 Minute - Stretch Total Body \& Re-hydrate with Energy Fuel | 75-80\% | 1800 |
| Main Set \#3 | 500 Yards | Set Focus: Muscular Endurance - focusing on balance and stroke count | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time |  | $\mathbf{3 0 0}$ Yards with pull buoy and paddles (breath every 3rd stroke) :30 RI 200 Yards with kick board - knees under the water (feel the hips) :30 RI | 75-80\% 75-80\% | $\begin{aligned} & 2100 \\ & 2300 \end{aligned}$ |
|  |  | Rest 1 Minute - Stretch Total Body \& Re-hydrate with Energy Fuel |  |  |
| Warm Down | 200 Yards | Non Freestyle | < 40\% | 2500 |

Workout Notes: During the early sets of this workout, focus on leveraging the water with your catch of your hands and then hold with your forearm. With the additional emphasis on rotation, you will cut through the water quicker and more efficiently (feel for this). During your pull sets, feel for the body balance in between taking breathes. With you producing extra power during the sprint set, your 100 yard intervals should feel as if you are in total control (don't be afraid to slow down to accomplish this).

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue

[^4]| CTS Workout \#1 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Workout Distance 1800 Yards |  | Workout Focus: Muscular Endurance and Power |  |  |
| Warm Up |  | Set Focus: Warm up Extremities | Intensity | Elapsed Yards |
| Time is irrelevant | 300 Yards | 50 Free - 50 Kick - 50 Catch Up Drill - 50 Kick without board -100 Glide | 40\% | 300 |
|  |  | Rest 1 Minute - Stretch Total Body \& Re-hydrate |  |  |
| Main Set \#1 | 1000 Yards | Set Focus: Muscular Endurance \& Body Position | Intensity | Elapsed Yards |
|  | - | 200 Yards Fragmented (see below) |  |  |
| Elapsed Time Elapsed Time Elapsed Time |  | 50 Yards - Easy - :10 RI (stay tall and mentally focused) | $\begin{aligned} & 75-80 \% \\ & 85-90 \% \\ & 95-100 \% \end{aligned}$ | 350 |
|  |  | 100 Yards - Fast :30 RI (increase the tempo from your core) |  | 450 |
|  |  | 50 Yards - Fast - :10 RI (combine a strong hip kick and front leverage) |  | 500 |
| Elapsed Time |  | 50 Yards - Easy - :10 RI (stay tall and mentally focused) <br> 100 Yards - Fast :30 RI (increase the tempo from your core) | 75-80\% | 550 |
| Elapsed Time |  |  | 85-90\% | 650 |
| Elapsed Time |  | 50 Yards - Fast - :10 RI (combine a strong hip kick and front leverage) | 95-100\% | 700 |
| Elapsed Time |  | 50 Yards - Easy - :10 RI (stay tall and mentally focused) <br> 100 Yards - Fast :30 RI (increase the tempo from your core) |  | 750 |
| Elapsed Time |  |  | $\begin{aligned} & 75-80 \% \\ & 85-90 \% \end{aligned}$ | 850 |
| Elapsed Time |  | 50 Yards - Fast - :10 RI (combine a strong hip kick and front leverage) | 95-100\% | 900 |
| Elapsed Time |  | 50 Yards - Easy - :10 RI (stay tall and mentally focused) |  | 950 |
| Elapsed Time |  |  | $\begin{aligned} & 75-80 \% \\ & 85-90 \% \end{aligned}$ | 1050 |
| Elapsed Time |  | 50 Yards - Fast - :10 RI (combine a strong hip kick and front leverage) | 95-100\% | 1100 |
|  |  | 200 Yards Fragmented (see below) |  |  |
| Elapsed Time |  | 50 Yards - Easy - :10 RI (stay tall and mentally focused) <br> 100 Yards - Fast :30 RI (increase the tempo from your core) <br> 50 Yards - Fast - :10 RI (combine a strong hip kick and front leverage) | 75-80\% | 1150 |
| Elapsed Time |  |  | $\begin{gathered} 85-90 \% \\ 95-100 \% \end{gathered}$ | $\begin{aligned} & 1250 \\ & 1300 \end{aligned}$ |
| Elapsed Time |  |  |  |  |
|  |  | Rest 1 Minute - Stretch Total Body \& Re-hydrate with Energy Fuel |  | Elapsed Yards |
| Main Set \#2 | 200 Yards | Set Focus: Explosive Power | Intensity |  |
| Elapsed Time Elapsed Time Elapsed Time Elapsed Time |  | 25 Yards - 100\% Effort/Focus on Rotation \& Leverage of Water :30 RI <br> 25 Yards - 100\% Effort/Focus on Rotation \& Leverage of Water :30 RI <br> 25 Yards - 100\% Effort/Focus on Rotation \& Leverage of Water :30 RI <br> 25 Yards - 100\% Effort/Focus on Rotation \& Leverage of Water :30 RI <br> Rest Additional 30 Seconds - Stretch Total Body \& Re-hydrate | $\begin{aligned} & \text { 100\% } \\ & \text { 100\% } \\ & \text { 100\% } \\ & \text { 100\% } \end{aligned}$ | 1400 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Elapsed Time |  | 25 Yards - 100\% Effort with an emphasis on kicking from hips :30 RI <br> 25 Yards - 100\% Effort with an emphasis on kicking from hips :30 RI <br> 25 Yards -100\% Effort with an emphasis on kicking from hips :30 RI <br> 25 Yards - 100\% Effort with an emphasis on kicking from hips :30 RI | $\begin{aligned} & \text { 100\% } \\ & \text { 100\% } \\ & \text { 100\% } \\ & \text { 100\% } \end{aligned}$ | 1500 |
| Elapsed Time |  |  |  |  |
| Elapsed Time |  |  |  |  |
| Elapsed Time |  |  |  |  |
|  |  | Rest 1 Minute - Stretch Total Body \& Re-hydrate |  |  |
| Warm Down | 300 Yards | 50 Free - 50 Kick - 50 Catch Up Drill - 50 Kick without board -100 Glide | 40\% | 1800 |

Workout Notes: though this workout is short, the intensity is very high so please take full advantage of each rest interval so that you are completely rested (for optimum results). To keep yourself honest, monitor your stroke count through each set to ensure that you are maintain your hydrodynamics in place. If you find your stroke count going up (and elapsed time increasing), focus on pushing your chest down to bring your hips up. Add a strong "catch" at the beginning of the stroke and hold the water to your thighs and you will feel your speed increase almost immediately. Stretch and hydrate as needed to maintain your blood sugar levels.

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar and repair muscle tissue

[^5]| Complete Training Solutions (CTS) Swim Workout \#2 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Workout Distance | $\begin{aligned} & 1500 \\ & \text { Yards } \end{aligned}$ | Workout Overview: Enhance Your Aerobic Engine |  |  |
|  |  | Description | Intensity | Elapsed Yards |
| Warm Up | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: getting the muscles warm up |  |  |
| Time Not Needed Time Not Needed Time Not Needed Time Not Needed |  | 100 Free - no toys/breathe every 3rd stroke throughout :20 RI <br> 100 Free - pull buoy only/relaxed pulling/breathe every stroke :20 RI <br> 50 Kick with board / even tempo / focus on your hips :20 RI <br> 50 Free - no toys / breathe every 3rd stroke / rotate and stay tall <br> Rest 1 Minute - Stretch for 1 minute - Re-hydrate with Energy Fuel | $\begin{aligned} & \mathbf{5 0 \%} \\ & \mathbf{5 0 \%} \\ & \mathbf{5 0 \%} \\ & \mathbf{5 0 \%} \end{aligned}$ | $\begin{aligned} & 100 \\ & 200 \\ & 250 \\ & 300 \end{aligned}$ |
| Main Set \#1 | $\begin{gathered} 200 \\ \text { Yards } \end{gathered}$ | Focus: Aerobic Enhancement | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time Elapsed Time Elapsed Time |  | P.Buoy only -50 Yards breathing every 3rd stroke/rotate completely 10" RI | 75\% | 350 |
|  |  | P.Buoy only -50 Yards breathing every 5th stroke/belly breathing 10" RI | 75\% | 400 |
|  |  | P.Buoy only -50 Yards breathing every 3rd stroke/rotate completely 10" RI | 75\% | 450 |
|  |  | P.Buoy only - 50 Yards breathing every 5th stroke / belly breathing 10 " RI | 75\% | 500 |
|  |  | Focus: High Effort with Correct Body Position |  |  |
| Main Set \#2 | $\begin{gathered} 600 \\ \text { Yards } \end{gathered}$ |  | Intensity | Elapsed Yards |
| Elapsed Time |  | 100 Yards - Breathing Every 5th Stroke / Control your exhale :10 RI | 70\% | 600 |
| Elapsed Time |  | 100 Yards - Breathe Every 3rd Stroke / Breathe in when you can :10 RI | 70\% | 700 |
| Elapsed Time |  | 100 Yards - Fast and aggressive with controlled breathing | 90\% | 800 |
| Elapsed Time |  | 100 Yards - Breathing Every 5th Stroke / Control your exhale :10 RI | 70\% | 900 |
| Elapsed Time |  | 100 Yards - Breathe Every 3rd Stroke / Breathe in when you can :10 RI | 70\% | 1000 |
| Elapsed Time |  | 100 Yards - Fast and aggressive with controlled breathing :30 RI Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | 90\% | 1100 |
| Main Set \#3 | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: Aerobic Enhancement | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time |  | 200 Yards with pull buoy and paddles - feel for the catch and rotation :15 Rest 100 Yards - kick with board / even effort / focus on kicking from hips Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | $\begin{aligned} & 75 \% \\ & 75 \% \end{aligned}$ | $\begin{aligned} & 1300 \\ & 1400 \end{aligned}$ |
| Warm Down | $\begin{aligned} & 100 \\ & \text { Yards } \end{aligned}$ | All Freestyle / Feel for your body's rotation and glide in between strokes | 40\% | 1500 |

Workout Notes: Keep a close eye on the indicated notes for each set. The foundation for the workout is to set up proper body position so that you are leveraging your high elbow position. With the elbow up, you can plant your hand (leveraging the water resistance) and move beyond where your hand catches the water. With good rotation, you get the pressure off of your shoulder and move the load levels to your large back muscles. You want to feel the muscles pulling from under your arm pit and into your lower back - very strong muscles! Stop and stretch if you feel anything beginning to tighten up anywhere. Failure to do so could result in a muscle pull.

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue

[^6]| Complete Training Solutions (CTS) Swim Workout \#3 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Workout Distance | $\begin{aligned} & 1600 \\ & \text { Yards } \end{aligned}$ | Workout Overview: Enhance your aerobic capacity and strength |  |  |
|  |  | Description | Intensity | Elapsed Yards |
| Warm Up | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: warm up and turn on the muscle fibers for next 2 sets |  |  |
| Time Not Needed <br> Time Not Needed Time Not Needed |  | 100 Free with pull buoy only - feel for proper balance :20 RI <br> 100 Kick with board / focus on kicking from your hip flexors :20 RI <br> 100 Free with paddles only / focus on pushing chest down to keep hips up <br> Rest 1 Minute - Stretch for 1 minute - Re-hydrate with Energy Fuel | $\begin{aligned} & 40 \% \\ & 40 \% \\ & 40 \% \end{aligned}$ | $\begin{aligned} & 100 \\ & 200 \\ & 300 \end{aligned}$ |
| Main Set \#1 | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: Stroke Efficiency | Intensity | Elapsed Yards |
| Elapsed Time |  | $\mathbf{3 0 0}$ Straight swim - capture your stroke count the last $\mathbf{2 5}$ yards of each $\mathbf{1 0 0}$ to keep you honest throughout. Be sure to capture your time for Set \#2 <br> Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | 80\% | 600 |
| Main Set \#2 Elapsed Time | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: Pacing and body balance late | Intensity | Elapsed Yards |
|  |  | 300 Straight swim - your goal is simply to maintain your stroke count and have your elapsed time be within 1-3 seconds off Set \#1. This will require as much mental as it will physical. Don't get complacent with your pull phase... <br> Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | 85\% | 900 |
| Main Set \#3 | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: Mental Focus | Intensity | Elapsed Yards |
| Elapsed Time |  | 300 Straight swim - strive to match your Set \#2 time. If you put a little more power out early, you will have some insurance in the bank... <br> Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | 85\% | 1200 |
| Warm Down | $\begin{gathered} 400 \\ \text { Yards } \end{gathered}$ | 300 Freestyle kick with board - very easy/100 yards free - very relaxed | 40\% | 1600 |

Workout Notes: This workout will test your patience, your mind and your muscles. If you go out too hard initially, this workout will be more difficult than it needs to be. The fun part about this workout is that if you maintain your distance per stroke along with relaxed breathing, you have established a platform for your body to slice through the water. The distance shouldn't be an issue for your muscular system; however, your mind may want to wander causing your to lose your balance, so stay aware of this early in the workout.

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue

| Complete Training Solutions (CTS) <br> Swim Workout \#4 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Workout Distance | $\begin{aligned} & 1500 \\ & \text { Yards } \end{aligned}$ | Workout Overview: Enhance Your Anaerobic Engine |  |  |
|  |  | Description | Intensity | Elapsed Yards |
| Warm Up | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: getting the muscles warm up |  |  |
| Time Not Needed Time Not Needed Time Not Needed Time Not Needed |  | 100 Free - no toys/breathe every 3rd stroke throughout :20 RI <br> 100 Free - pull buoy only/relaxed pulling/breathe every stroke :20 RI 50 Kick with board / even tempo / focus on your hips :20 RI 50 Free - no toys / breathe every 3rd stroke / rotate and stay tall Rest 1 Minute - Stretch for 1 minute - Re-hydrate with Energy Fuel | $\begin{aligned} & \mathbf{5 0 \%} \\ & \mathbf{5 0 \%} \\ & \mathbf{5 0 \%} \\ & \mathbf{5 0 \%} \end{aligned}$ | $\begin{aligned} & 100 \\ & 200 \\ & 250 \\ & 300 \end{aligned}$ |
| Main Set \#1 | $\begin{gathered} 200 \\ \text { Yards } \end{gathered}$ | Focus: Aerobic Enhancement | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time Elapsed Time Elapsed Time |  | P.Buoy only -50 Yards breathing every 3rd stroke/rotate completely 10" RI | 75\% | 350 |
|  |  | P.Buoy only -50 Yards breathing every 5th stroke/belly breathing 10" RI | 75\% | 400 |
|  |  | P.Buoy only - 50 Yards breathing every 3rd stroke/rotate completely 10" RI | 75\% | 450 |
|  |  | P.Buoy only -50 Yards breathing every 5th stroke / belly breathing 10" RI Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | 75\% | 500 |
|  |  | Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy |  |  |
| Main Set \#2 | $\begin{gathered} 600 \\ \text { Yards } \end{gathered}$ | Focus: High Effort with Correct Body Position | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time Elapsed Time |  | 100 Yards - Breathing Every 5th Stroke / Control your exhale :10 RI | 80\% | 600 |
|  |  | 100 Yards - Breathe Every 3rd Stroke / Breathe in when you can :10 RI | 85\% | 700 |
|  |  | 100 Yards - Fast and aggressive with controlled breathing Rest 1 Minute - Stretch for 1 minute | 90\% | 800 |
| Elapsed Time Elapsed Time Elapsed Time |  | 100 Yards - Breathing Every 5th Stroke / Control your exhale :10 RI | 80\% | 900 |
|  |  | 100 Yards - Breathe Every 3rd Stroke / Breathe in when you can :10 RI | 85\% | 1000 |
|  |  | 100 Yards - Fast and aggressive with controlled breathing :30 RI Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | 90\% | 1100 |
| Main Set \#3 | $\begin{aligned} & 300 \\ & \text { Yards } \end{aligned}$ | Focus: Aerobic Enhancement | Intensity | Elapsed Yards |
| Elapsed Time Elapsed Time |  | 200 Yards with pull buoy and paddles - feel for the catch and rotation :15 Rest 100 Yards - kick with board / even effort / focus on kicking from hips Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | $\begin{aligned} & 75 \% \\ & 75 \% \end{aligned}$ | $\begin{aligned} & 1300 \\ & 1400 \end{aligned}$ |
| Warm Down | $\begin{gathered} 100 \\ \text { Yards } \end{gathered}$ | All Freestyle / Feel for your body's rotation and glide in between strokes | 40\% | 1500 |

Workout Notes: Keep a close eye on the indicated notes for each set. The foundation for the workout is to set up proper body position so that you are leveraging your high elbow position. With the elbow up, you can plant your hand (leveraging the water resistance) and move beyond where your hand catches the water. With good rotation, you get the pressure off of your shoulder and move the load levels to your large back muscles. You want to feel the muscles pulling from under your arm pit and into your lower back - very strong muscles! Stop and stretch if you feel anything beginning to tighten up anywhere. Failure to do so could result in a muscle pull.

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue

[^7]| ```Complete Training Solutions (CTS) Swim Workout #5``` |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Workout Distance | $\begin{aligned} & 1600 \\ & \text { Yards } \end{aligned}$ | Workout Overview: Enhance your aerobic capacity and strength |  |  |
|  |  | Description | Intensity | Elapsed Yards |
| Warm Up | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: warm up and turn on the muscle fibers for next 2 sets |  |  |
| Time Not Needed Time Not Needed Time Not Needed |  | 100 Free with pull buoy only - feel for proper balance :20 RI <br> $\mathbf{1 0 0}$ Kick with board / focus on kicking from your hip flexors :20 RI <br> 100 Free with paddles only / focus on pushing chest down to keep hips up <br> Rest 1 Minute - Stretch for 1 minute - Re-hydrate with Energy Fuel | $\begin{aligned} & 40 \% \\ & 40 \% \\ & 40 \% \end{aligned}$ | $\begin{aligned} & 100 \\ & 200 \\ & 300 \end{aligned}$ |
| Main Set \#1 | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: Stroke Efficiency | Intensity | Elapsed Yards |
| Elapsed Time |  | 300 Straight swim - capture your stroke count the last 25 yards of each 100 to keep you honest throughout. Be sure to capture your time for Set \#2 Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | 80\% | 600 |
| Main Set \#2 | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: Pacing and body balance late | Intensity | Elapsed Yards |
| Elapsed Time |  | $\mathbf{3 0 0}$ Straight swim - your goal is simply to maintain your stroke count and have your elapsed time be within 1-3 seconds off Set \#1. This will require as much mental as it will physical. Don't get complacent with your pull phase... | 85\% | 900 |
|  |  | Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel |  |  |
| Main Set \#3 | $\begin{gathered} 300 \\ \text { Yards } \end{gathered}$ | Focus: Mental Focus | Intensity | Elapsed Yards |
| Elapsed Time |  | 300 Straight swim - strive to match your Set \#2 time. If you put a little more power out early, you will have some insurance in the bank... <br> Rest 1 Minute - Stretch for 1 minute - Rehydrate with Energy Fuel | 85\% | 1200 |
| Warm Down | $\begin{gathered} 400 \\ \text { Yards } \end{gathered}$ | 300 Freestyle kick with board - very easy/100 yards free - very relaxed | 40\% | 1600 |

Workout Notes: This workout will test your patience, your mind and your muscles. If you go out too hard initially, this workout will be more difficult than it needs to be. The fun part about this workout is that if you maintain your distance per stroke along with relaxed breathing, you have established a platform for your body to slice through the water. The distance shouldn't be an issue for your muscular system; however, your mind may want to wander causing your to lose your balance, so stay aware of this early in the workout.

## Post Workout Protocols

- Flexibility: complete an entire stretch routine for your hips, hamstrings, quads and calves
- Nutrition: immediately consume 8-10 ounces of Recovery Fuel to replace depleted muscle sugar \& repair muscle tissue


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