

12 Week Paris Ancaster Program

Training Plan Guidelines

- Each day has a specific workout prescription based on your Power zone from your Functional Threshold Power (FTP) or time in heart rate or perceived exertion zones and at a specific cadence
- Every ride should start the same way as follows:

5 min Z1 (in a light gear i.e. small ring on road bike, light gear on MTB)

10 min Z2 (usually also in small ring or light gear)

Stretch

5 min Z2

After you have completed the 20 min warmup you begin the outlined workout. The warmup is included in the total time for the ride.

- After you are done the prescribed pieces/intervals the remainder of your ride should as much as possible be in Z2. For rest between intervals and pieces ride in low Z2 in an easy gear (small ring on road bike, light gear on MTB)
- When you are riding in Z2 it is assumed that occasionally on climbs and in strong winds you may get into Z3. Attempt to get back into Z2 as soon as possible.

- As a general rule you should have a cadence of 90rpm. For an average rider this will mean you will use the big ring with little wind or with a tail wind and a lighter gear on the MTB with a headwind or on hilly terrain.
- Z4 intensity, sprints and power pieces should be done in the big ring unless on a hill. Spin pieces will usually be done in the small ring or lighter gear on the MTB.
- Every ride should finish the same way as follows:

5 min Z2 (small ring or lighter gear on the MTB)

5 min Z1 (small ring or lighter gear on the MTB)

This time does count toward total ride time as did the warm up.

Appendix 1 Anaerobic Threshold Heart Rate or FTP Power Field Test and Zone Calculation

Perform a 20 min pre test warmup as follows:

5 min Z1 (in a light gear i.e. small ring on road bike,
lighter gear on the MTB)

10 min Z2 (usually small to medium size gear)

Stretch

5 min Z3

After you have completed the 20 min warmup spin easy in Z1
For 2 minutes to allow your heart rate to come down

Start the time trial test in the big chain ring from a complete
standstill or from a moderate spin on the fluid or smart trainer

The test is a 20 minute all out effort, as if in a 20 minute road or mountain time trial race.

For heart rate Time your test for the first 5 minutes, but do not start your heart rate monitor until after the first 5 minutes of the test. After 5 minutes start your heart rate monitor to enable it to calculate average heart rate. (You will be calculating the average heart rate only on the final 15 minutes of the 20 minute test).

As soon as the test is finished, stop your heart rate monitor and get your average heart rate reading.

Your average heart rate for the 15 minutes will equate to your anaerobic threshold heart rate

For FTP you want the power for the entire 20 minutes. Take your best 20 minute power average from the test and divide it by 104% to determine your Functional Threshold Power (FTP)

After the test ensure you spin in a light gear in Z2

For the calculation of your zones your result is your anaerobic threshold or FTP Simply calculate your zones as a percentage of your threshold or FTP

HEART RATE SYSTEM OF TRAINING INTENSITY CATEGORIES

Intensity Category	Duration as Training (minutes)	Intensity Explanation	Heart Rate Zone	Goals of Intensity	Practical Examples
Zone 1	>45	Enjoyable, little or no pressure on peddles	Less than 72% of Anaerobic Threshold	Regeneration Enjoyment Technique	Bike Walk Rest Day
Zone 2	>45	Medium Pace Talking is easy	72-84% of Anaerobic Threshold	Basic Endurance Maintenance	Base Miles Long Slow Distance
Zone 3	30-90	Talking is moderately difficult	85-93% of Anaerobic Threshold	Fat/Carbo mix High Intensity Aerobic	30 minute session
Zone 4	5-10	Talking is possible but very difficult Time Trial Pace	94-100% of Anaerobic Threshold	Increase Anaerobic Threshold Time Trial Feeling	5-10 minute sessions
Zone 5	2-4	Talking Is Nearly Impossible	101-107% of Anaerobic Threshold	Race Speed Feeling Ability to Jump/Bridge	2-4 minute Interval 3000m pursuit
Zone 6	45s-2min	All out Talking not possible	101%+	Lactate Tolerance Anaerobic Capacity	Ladders

POWER ZONES BASED ON FTP

Intensity Category	Duration as Training (minutes)	Intensity Explanation	Heart Rate Zone	Goals of Intensity	Practical Examples
Zone 1	>45	Enjoyable, little or no pressure on peddles	Less than 55% of FTP	Regeneration Enjoyment Technique	Bike Walk Rest Day
Zone 2	>45	Medium Pace Talking is easy	55-75% of FTP	Basic Endurance Maintenance	Base Miles Long Slow Distance
Zone 3	30-90	Talking is moderately difficult	75-90% of FTP	Fat/Carbo mix High Intensity Aerobic	30 minute session
Zone 4	5-10	Talking is possible but very difficult Time Trial Pace	91-105% Of FTP	Increase Anaerobic Threshold Time Trial Feeling	5-10 minute sessions
Zone 5	2-4	Talking Is Nearly Impossible	106-120% Of FTP	Race Speed Feeling Ability to Jump/Bridge	2-4 minute Interval 3000m pursuit
Zone 6	45s-2min	All out Talking not possible	121% + Of FTP	Lactate Tolerance Anaerobic Capacity	Ladders 30 second intervals

Appendix 2 Rate of Perceived Exertion Training Plan Guidelines

- If you choose not to use heart rate or power you can train based on rate of perceived exertion as follows.
- Each day has a specific workout prescription based on your perceived exertion zones
- Every ride outside should start the same way as follows:

5 min 4-5 exertion (out of 10)
(in a light gear i.e. small ring on road bike,
middle ring on MTB)

10 min 5-6 exertion (out of 10)
(usually also in small or middle ring)

Stretch

5 min 5-6 exertion (out of 10)

After you have completed the 20 min warmup you begin the outlined workout. The warmup is included in the total time for the ride. RPE = Rate of Perceived Exertion

- After you are done the prescribed pieces/intervals the remainder of your ride should as much as possible be between 6-7 RPE. For rest between intervals and pieces ride at 5-6 RPE in an easy gear
- When you are riding at 6-7 RPE it is assumed that occasionally on climbs and in strong winds you may get up to 8 RPE Attempt to get back down to 6-7 RPE as soon as possible
- Every ride outside should finish the same way as follows:

5 min RPE 5-6
5 min RPE 4-5

This time does count toward total ride time as did the warm up.

RPE SYSTEM OF TRAINING INTENSITY CATEGORIES

Intensity Category	Duration as Training (minutes)	Intensity Explanation	Exertion Rating on a scale of 1-20	Goals of Intensity	Practical Examples
Zone 1	>45	Enjoyable, little or no pressure on peddles	1-4	Regeneration Enjoyment Technique	Active Recovery Rest Day
Zone 2	>45	Medium Pace Talking is easy	5-6	Basic Endurance Maintenance	Base Miles Long Slow Distance
Zone 3	30-90	Talking is moderately difficult	7	Fat/Carbo mix High Intensity Aerobic	30 minute session
Zone 4	5-20	Talking is possible but very difficult Time Trial Pace	8	Increase Anaerobic Threshold Time Trial Feeling	5-10 minute sessions
Zone 5	2-4	Talking Is Nearly Impossible	9	Race Speed Feeling Ability to Jump/Bridge	2-4 minute Interval 3000m pursuit
Zone 6	45s-2min	All out Talking not possible	10	Lactate Tolerance Anaerobic Capacity	Ladders

	Monday	Tuesday	Wed.	Thursday	Friday	Saturday	Sunday
<p>Total Hours: 5:00 3:00 Bike 2:00 Strength Week 1</p>	<p>1:00 Total Body and Core Coordination 3x12</p>	<p>OFF OR Yoga</p>	<p>1:00 4*5 minute Z3 spin pieces 110 rpm 1:1 work to rest ratio</p>	<p>1:00 Total Body and Core Coordination 3x12</p>	<p>OFF</p>	<p>1:00 4*5 minute Z3 regular rpm (90) 1:1 work to rest ratio</p>	<p>1:00 6*30 second intervals at 180-220% of FTP or Z6 HR or RPE Do intervals every 5 minutes.</p>
<p>Total Hours: 5:00 3:00 Bike 2:00 Strength Week 2</p>	<p>1:00 Total Body and Core Coordination 3x12</p>	<p>OFF OR Yoga</p>	<p>1:00 6*20 second sprints at 220-250% of FTP or 9.5/10 RPE Do sprints every 5 minutes.</p>	<p>1:00 Total Body and Core Coordination 3x12</p>	<p>OFF</p>	<p>1:00 2*10 minute Z3 regular rpm (90) 1:1 work to rest ratio</p>	<p>1:00 6*30 second intervals at 180-220% of FTP or Z6 HR or RPE Do intervals every 5 minutes.</p>
<p>Total Hours: 6:00 4:00 Bike 2:00 Strength Week 3</p>	<p>1:00 Total Body and Core Coordination 3x12</p>	<p>1:00 4*5 minute Z3 spin pieces 110 rpm 1:1 work to rest ratio</p>	<p>1:00 6*30 second intervals at 180-220% of FTP or Z6 HR or RPE Do intervals every 5 minutes.</p>	<p>1:00 Total Body and Core Coordination 3x12</p>	<p>OFF</p>	<p>1:00 2*5 minute Z3 power pieces 65-70 rpm 2*5 minute Z3 spin pieces 110 rpm. 1:1 work to rest ratio</p>	<p>1:00 6*30 second intervals at 180-220% of FTP or Z6 HR or RPE Do intervals every 5 minutes.</p>
<p>Total Hours: 4:45 2:45 Bike 2:00 Strength Week 4 Regen Week</p>	<p>1:00 Total Body and Core Coordination 3x12</p>	<p>OFF OR Yoga</p>	<p>1:00 2*10 minute Z3 regular rpm (90) 1:1 work to rest ratio</p>	<p>1:00 Total Body and Core Coordination 3x12</p>	<p>OFF</p>	<p>0:45 Z2 higher Rpm 95-100</p>	<p>1:00 6*30 second intervals at 180-220% of FTP or Z6 HR or RPE Do intervals every 5 minutes.</p>
<p>Total Hours: 5:30 3:30 Bike 2:00 Strength Week 5</p>	<p>1:00 Total Body and Core Hypertrophy 12-10-8</p>	<p>OFF OR Yoga</p>	<p>1:00 6*30 second intervals at 180-220% of FTP or Z6 HR or RPE Do intervals every 5 minutes.</p>	<p>1:00 Total Body and Core Hypertrophy 12-10-8</p>	<p>OFF</p>	<p>1:00 2*5 minute Z3 power pieces 65-70 rpm 2*5 minute Z3 spin pieces 110 rpm. 1:1 work to rest ratio</p>	<p>1:00 8*30 second intervals at 180-220% of FTP or Z6 HR or RPE Do intervals every 5 minutes.</p>

<p>Total Hours:</p> <p>6:30</p> <p>4:30 Bike</p> <p>2:00 Strength</p> <p>Week 6</p>	<p>1:00 Total Body and Core Hypertrophy 12-10-8</p>	<p>1:00 4*5 minute Z3 spin pieces 110 rpm 1:1 work to rest ratio</p>	<p>1:00 FTP Test Adjust zones after test. OR 1:00 6*30 second intervals at 180-220% of FTP or Z6 HR or RPE Do intervals every 5 minutes.</p>	<p>1:00 Total Body and Core Hypertrophy 12-10-8</p>	<p>OFF</p>	<p>1:00 6*20 second sprints at 220-250% of FTP or 9.5/10 RPE Do sprints every 5 minutes.</p>	<p>1:30 5*5 minute Z4 regular rpm (90) 1:1 work to rest ratio</p>
<p>Total Hours:</p> <p>6:30</p> <p>4:30 Bike</p> <p>2:00 Strength</p> <p>Week 7</p>	<p>1:00 Total Body and Core Hypertrophy 12-10-8</p>	<p>1:00 4*5 minute Z3 spin pieces 110 rpm 1:1 work to rest ratio</p>	<p>1:00 4*5 minute Z4 regular rpm (90) 1:1 work to rest ratio</p>	<p>1:00 Total Body and Core Hypertrophy 12-10-8</p>	<p>OFF</p>	<p>1:00 2*15 minute Z3 regular rpm (90) Ride 10 minutes Z2 between efforts.</p>	<p>1:30 5*5 minute Z4 regular rpm (90) 1:1 work to rest ratio</p>
<p>Total Hours:</p> <p>6:30</p> <p>4:30 Bike</p> <p>2:00 Strength</p> <p>Week 8</p>	<p>1:00 Total Body and Core Power 10-8-6</p>	<p>1:00 4*5 minute Z3 spin pieces 110 rpm 1:1 work to rest ratio</p>	<p>1:00 2*10 minute Z4 regular rpm (90) 1:1 work to rest ratio</p>	<p>1:00 Total Body and Core Power 10-8-6</p>	<p>OFF</p>	<p>1:00 6*20 second sprints at 220-250% of FTP or 9.5/10 RPE Do sprints every 5 minutes.</p>	<p>1:30 3*10 minute Z4 regular rpm (90) Ride 5 minutes Z2 between efforts.</p>
<p>Total Hours:</p> <p>5:30</p> <p>3:30 Bike</p> <p>2:00 Strength</p> <p>Week 9</p> <p>Regen Week.</p>	<p>1:00 Total Body and Core Power 10-8-6</p>	<p>OFF OR Yoga</p>	<p>1:00 2*5 minute Z3 power pieces 65-70 rpm 2*5 minute Z3 spin pieces 110 rpm. 1:1 work to rest ratio</p>	<p>1:00 Total Body and Core Power 10-8-6</p>	<p>OFF</p>	<p>1:00 Z2 basic endurance higher rpm 95-100</p>	<p>1:30 3*10 minute Z4 regular rpm (90) Ride 5 minutes Z2 between efforts.</p>

Total Hours: 7:30 5:30 Bike 2:00 Strength Week 10	1:00 Total Body and Core Power 10-8-6	1:00 Z2 basic endurance higher rpm 95-100	1:00 FTP Test Adjust zones after test. OR 1:00 2*10 minute Z4 regular rpm (90) 1:1 work to rest ratio	1:00 Total Body and Core Power 10-8-6	OFF	1:30 8*20 second sprints at 220-250% of FTP. Do intervals every 5 minutes.	2:00 2*15 minute Z4 regular rpm (90) Ride 10 minutes Z2 between efforts.
Total Hours: 5:30 5:00 Bike 0:30 Core Week 11 Taper	0:15 Core	1:30 2*15 minute Z4 regular rpm (90) Ride 10 minutes Z2 between efforts.	0:15 Core	1:00 6*20 second sprints at 220-250% of FTP or 9.5/10 RPE Do sprints every 5 minutes.	OFF	1:00 Z2 basic endurance higher rpm 95-100	1:30 3*10 minute Z4 regular rpm (90) Ride 5 minutes Z2 between efforts
Total Hours: Week 12 Taper	0:15 Core	1:30 5*5 minute Z4 regular rpm (90) 1:1 work to rest ratio	0:15 Core	1:00 4*5 minute Z3 spin pieces 110 rpm 1:1 work to rest ratio	OFF	1:00 Race Prep 2*8 minutes. First 5 minutes Z3, last 3 minutes Z4. Remainder or ride in fairly strict Z2.	Paris To Ancaster!! Warm up with 5 min Z1 5 min Z2 5 min Z3 2 min Z2

Strength and Conditioning Plan Guidelines

- For Total Body and Strength programs start with a 10 minute cardiovascular warm-up (bike, cross trainer, fast paced walking on treadmill etc.)
- Each workouts is based on sets of exercises and repetitions. When you perform 12 repetitions of a squat you have just completed one set of 12 reps. If you repeat the 12 squats 3 times that is 3 sets of 12 reps.
- Rest between sets is time taken between each set. This time is usually 45 seconds – 1.5 minutes. Take this time to change the weights, take a drink and prepare for the next set
- A superset is when two exercises are done back to back. After completing both exercises you take a small 20 second rest. For example if you did a superset with squats and ball crunches you would do 1 set of squats, immediately do 1 set of crunches then take a 20 second break and repeat
- If you are doing weights for the first time **START LIGHT**. When in doubt go even lighter than you would normally consider. Athletes often will get very sore after their first couple strength sessions unless they temper their enthusiasm and start light.
- Reps in reserve is meant to help you start fairly light. Reps in reserve means the number of reps you could have completed in good form when you stop the exercise. For instance if you are doing 12 reps of squats with 3 reps in reserve this means you are picking a weight that you could fairly easily perform 15 times, but you stop at 12. After your 12 rep you feel like you could still do 3 more.

- Tempo is the speed of the exercise. A tempo of 3-0-2 means it takes 3 seconds for the eccentric (muscles lengthening or releasing), there is 0 pause and then it takes 2 seconds for the concentric motion (muscles shortening). For example a squat done at 3-0-2 means it takes 3 seconds to lower, there is 0 pause at the bottom and it takes 2 seconds to come up. Another example would be a Lat Pulldown done at 3-0-2. This means it takes 3 seconds to let the bar up, 0 pause at the top and 2 seconds to bring the bar down
- Always perform exercises in good form. Never sacrifice form for weight.

Strength & Conditioning Program-Coordination

Exercise	Sets	Reps	Rest	Reps in Reserve	Tempo
Leg Press (Single Leg)	3 Sets	12 Reps	Superset	3 1 st week 2 2 nd week 1 3 rd week 0 4 th &5 th wk	302



Superset 2 sets of Ball Burpees 10-12 reps between leg press sets



Ball Squats 3 sets 12 Reps 45 seconds Same 302



Prone Leg Curl (Single leg) 3 sets 12 Reps Superset Same as Above 302



Superset Leg Curl and Calf Raise. 30 seconds rest after each superset

**Standing
Calf Raise**

3 sets

12 Reps

Superset

Same

202



Chest Fly

3 sets

12 Reps

45 seconds

**Same as
Above**

302



Seated Row

3 sets

12 Reps

Superset

Same

3-0-2



Superset 2 sets of Back Extensions 8-10 Reps



Biceps Dumbbell Curl

3 sets

12

Superset

Same as Above

302



Superset Bis and Tris

**Triceps Rope
Pressdown**

3 sets

12 Reps

Superset

Same

302



**Cross Over
Crunch**

3 sets 12-max reps

Superset with walkout



Walkout

2 sets

6-8 Reps

Superset with Cross over crunch



Roll Outs 2 sets 10-15 reps

Rest 45 seconds



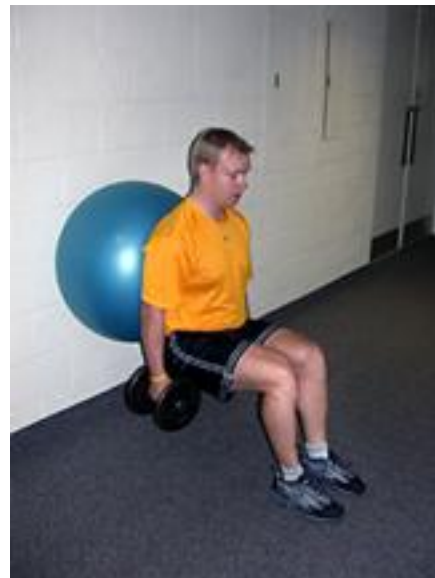
Total Body Hypertrophy Phase

Exercise	Sets	Reps	Rest	Reps in Reserve	Tempo
Leg Press (Single Leg)	3 Sets	12-10-8	Superset	1-2	302



Ball Squats **3 sets**

12-10-8 **45 secs** **Same as Above** **3-0-2**



Lunges

3 sets 12-10-8

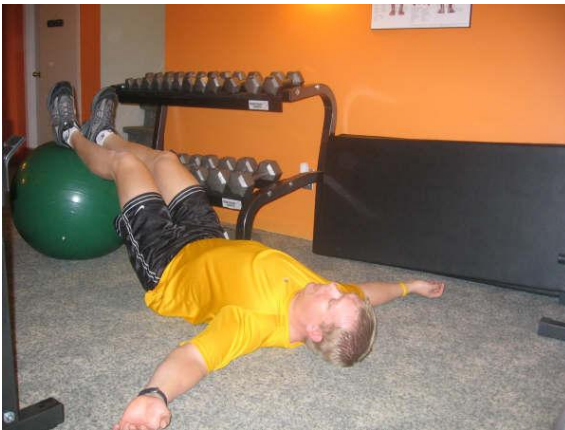


Superset

**Same as 2-0-1
Above**



Superset 2 sets of Ball Shoulder Balance 4x5 second hold



Seated Leg Curl 3 sets

12-10-8

45 seconds Same as Above

302



Ball Pushups 3 sets Max

Superset Same as Above 2-0-2



Superset Pushups & Lat Pulldown. 30 seconds rest after each superset

Lat Pulldowns 3 sets 12-10-8 Superset Same 3-0-2



Barbell Biceps Curl 3 sets 12-10-8 Superset Same as 302 Above



Superset Bis and Tris

Bench Dips

3 sets

12

**Superset Same as 302
Above**



Reverse Crunch

3 sets 10-12 reps

Superset with bridge



Advanced 2 sets 4-8 reps 45 seconds rest
Walkout



V Sits 2 sets 8-10 Rest 45 seconds between sets



Strength & Conditioning Program – Power Phase

Exercise	Sets	Reps	Rest	Reps in Reserve	Tempo
Leg Press (Single Leg)	3 Sets	10-8-6	Superset	0-1	302



Goblet Squats	3 sets	10-8-6	45 seconds	Same as above	202
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Ball Squats

3 sets

10-8-6 Superset

**Same as
Above**

3-0-2



Superset 2 sets of Pikes 4-5 Reps



Prone Leg Curl (Single leg) **3 sets** **10-8-6**



Superset **Same as Above** **302**



Superset Leg Curl and Calf Raise. 30 seconds rest after each superset

Standing Calf Raise **3 sets** **12 Reps** **Superset** **Same as Above** **202**



Chest Floor Press 3 sets 10-8-6



Superset Same as Above 2-0-2



Superset 3 Sets 10-8-6 2-0-2 Dumbbell Back Rows with Chest Floor Press



Biceps Dumbbell Curl

3 sets

10-8-6

**Superset Same as 302
Above**



Superset Biceps Curls with Triceps Rope Pressdown

**Triceps Rope
Pressdown**

3 sets

10-8-6

Superset

**Same as 202
Above**



Prone Low Back **2 sets** **4x5 second hold** **Superset Ball Balance**



2 point plank **2 sets** **20 second hold each side** **45 secs rest**



Side Plank 2 sets 30 sec. hold each side. 45 seconds rest



Core Strength Program

Exercise	Sets	Reps	Rest Between sets
Cross Over Crunch	3 sets	20-max reps	Superset with TRA



Seated TRA	2 sets	4x5 second hold	Superset
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Ball Knee Balance 2x10-15 sec per side Superset



Prone Low Back 2 sets 4x5 second hold Superset Ball Balance



Advanced 2 sets 4-8 reps 45 seconds rest
Walkout



Ball Burpees Advanced 2 sets 6-12 reps 45 seconds rest



Advanced Plank 3 sets 20 second hold each side 45 second rest

