## NSPCC

## Advanced 100 Mile Ride Challenge

## Measuring Your Effort

It's important that you cycle at the right effort level and intensity to ensure you're training to reach your full potential. Most of us think that cycling "harder is better" so we end up cycling too quickly, which can result in feeling tired, getting ill or injured. Understand what each session
s trying to achieve and how it should fee s the way to train smart. Below you'll find a guide to the sessions that you'll find mentioned in your training plan and a note of how they should feel as a talk test'.

| Type of Ride / HR Zone | Perceived effort level $(1-10)^{*}$ | Heart rate | How it should feel - the talk test |
| :---: | :---: | :---: | :---: |
| Recovery Ride / 1 | 6-6.5 | 65-70\% | You can speak in complete sentences, totally conversational, you're cycling relaxed, enjoying it and not worrying about the watch / pace. |
| Long Ride / 2 | 6.5-7 | 65-70\% | You're in control, cycling fluidly and very much at a conversational level but you'll feel slightly flushed with a gradual build up of muscular fatigue. |
| Steady Effort Ride / 3 | 7-8 | 70-80\% | You can speak in short sentences but have a slight pause on your breath. This can often be 'no man's land' in training terms if this is all you do. |
| Race Pace / 4 | 7.5-8 | 78\% | You can speak in short sentences, you have a slight pause on your breath but are not out of breath, relaxed and in control. |
| Threshold Effort Ride / 5 | 8-8.5 | 80-85\% | You could speak 4-5 words if somebody asked you a question. Your breathing is more laboured and you know you're working, we call this 'controlled discomfort'. |
| Speedwork / 5A | 9-9.5 | 90-95\% | You can say only 2-3 words maximum and are out of breath but still know that you could do more if you had to. |


| Wc | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Week | BHe <br> 15 mins easy effort indoor bike <br> Condtioning <br> $30-45$ mins strength and conditioning + stretch | BHe <br> 50 MINS PROGRESSIVE PEDALLING SESSION @ ZONES 1-2 10 minutes warm up <br> Recovery <br> $5 \times 4$ mins at $80,85,90,100,105$ rpm cadence off 1 min easy effort recovery, <br> 10 minutes cool down + stretch NOTE: Relaxed form is more important than driving a high heart rate. It's important that the resistance is low, to allow a focus on speed of the feet and not force on the pedals. This workout is best done on an indoor trainer + stretch | BHe <br> 15 mins easy effort indoor bike <br> Condftioning <br> 30-45 mins strength and conditioning (easy on the legs today please) + stretch | BHe <br> 60 MINS INCLUDING $8 \times 30$ SEC SPRINTS 10-20 mins warm up zones $1-2,8 \times 30$ second sprints with 2 mins easy recovery spin in between sprints, 10-20 mins cool down + stretch. Best done on an indoor trainer | Rest | BHe <br> 120-150 MINS EASY EFFORT LONG RIDE @ ZONES 1 - 2 <br> Rolling course if possible + stretch | BHe <br> 90 MINS <br> EASY EFFORT <br> LONG RIDE @ <br> ZONES 1-2 <br> Rolling course if possible + stretch |
| Week <br> 2 | BHe <br> 15 mins easy effort indoor bike <br> Condtioning <br> $30-45$ mins strength and conditioning + stretch | BHze <br> 50 MINS PROGRESSIVE <br> PEDALLING SESSION @ ZONES 1-2 <br> 10 minutes warm up <br> Recovery <br> $5 \times 4$ mins at $80,85,90,100,105$ rpm cadence off 1 min easy effort recovery, <br> 10 minutes cool down + stretch | BHe <br> 15 mins easy effort indoor bike <br> Condtioning <br> 30-45 mins strength and conditioning (easy on the legs today please) + stretch | BHe <br> 60 MINS INCLUDING $8 \times 30$ SEC SPRINTS 10-20 mins warm up zones $1-2,8 \times 30$ second sprints with 2 mins easy recovery spin in between sprints, 10-20 mins cool down + stretch. Best done on an indoor trainer | Rest | BHe <br> 120-150 MINS EASY EFFORT LONG RIDE @ ZONES 1 - 2 <br> Rolling course if possible + stretch | BHe <br> 90 MINS EASY EFFORT LONG RIDE @ ZONES 1-2 <br> Rolling course if possible + stretch |
| Week | BHE <br> 15 mins easy effort indoor bike <br> Conditioning <br> $30-45$ mins strength and conditioning + stretch | BHe <br> 55 MINS PROGRESSIVE <br> PEDALLING SESSION @ ZONES 1-2 <br> 10 minutes warm up <br> Recovery <br> $2 \times 10$ mins at 95 and 100 rpm cadence off 1 min easy effort recovery, <br> 10 minutes cool down + stretch | BHe <br> 15 mins easy effort indoor bike <br> Conditioning <br> 30-45 mins strength and conditioning (easy on the legs today please) + stretch | BHe <br> 60 MINS INCLUDING $10 \times 30$ SEC SPRINTS 10-20 mins warm up zones $1-2,10 \times 30$ second sprints with 2 mins easy recovery spin in between sprints, 10-20 mins cool down + stretch. Best done on an indoor trainer | Rest | BHE <br> 150 MINS EASY EFFORT LONG RIDE <br> @ ZONES 1-2 <br> Rolling course if possible + stretch | BHe <br> 90 MINS <br> RECOVERY RIDE <br> On a flat course, keeping heart rate in Zone 1. Can be done on an indoor trainer as well + stretch |
| Week <br> H | Bike <br> 15 mins easy effort indoor bike <br> Conditioning <br> $30-45$ mins strength and conditioning + stretch | BHe <br> 55 MINS PROGRESSIVE <br> PEDALLING SESSION @ ZONES 1-2 <br> 10 minutes warm up <br> Recovery <br> $2 \times 10$ mins at 95 and 100 rpm cadence off 1 min easy effort recovery, <br> 10 minutes cool down + stretch | BHe <br> 15 mins easy effort indoor bike <br> Condtioning <br> 30-45 mins strength and conditioning (easy on the legs today please) + stretch | BHe <br> 60 MINS INCLUDING $10 \times 30$ SEC SPRINTS 10-20 mins warm up zones $1-2,10 \times 30$ second sprints with 2 mins easy recovery spin in between sprints, 10-20 mins cool down + stretch. Best done on an indoor trainer | Rest | Blke <br> 180 MINS EASY EFFORT LONG RIDE <br> @ ZONES 1-2 <br> Rolling course if possible + stretch | BHe <br> 60 MINS RECOVERY RIDE On a flat course, keeping heart rate in Zone 1. Can be done on an indoor trainer as well + stretch |


| Week <br> 5 | BHe | Bhe | Rest | BHe | Rest | BHE | Bhke |
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|  | 10 mins easy effort indoor bike Conditioning | 60 MINS INCLUDING $10 \times 30$ SEC SPRINTS <br> 10-20 mins warm up zones |  | 60 MINS RECOVERY RIDE On a flat course, keeping heart rate in Zone 1 + stretch. Can be done on an indoor trainer as well |  | 120 MINS EASY EFFORT LONG RIDE @ ZONES 1-2 Rolling course if possible + stretch | 60 MINS RECOVERY RIDE On a flat course, keeping heart |
|  | 30-45 mins strength and conditioning + stretch. Easier week to allow some recovery from the previous weeks of training and some training adaptation | Recovery <br> $1-2,10 \times 30$ second sprints with 2 mins easy recovery spin in between sprints, 10-20 mins cool down + stretch. Best done on an indoor trainer |  |  |  |  | rate in Zone 1. <br> Can be done on an indoor trainer as well + stretch |
| Week | BHe <br> 15 mins easy effort indoor bike Condfioning 30-45 mins strength and conditioning + stretch | BHe <br> 60 MINS $4 \times 5$ MIN @ THRESHOLD <br> EFFORT ZONES 4-5 <br> 15 mins warm up zones <br> Recovery <br> 1-2, $4 \times 5$ min at hr zones $4-5$ with 2 mins easy effort recovery between intervals, 10-15 mins easy effort zone 2 cool down + stretch | BHe <br> 15 mins easy effort indoor bike Condtioning $30-45$ mins strength and conditioning + stretch | Bike <br> 60 MINS RECOVERY RIDE On a flat course, keeping heart rate in Zone $1+$ stretch. Can be done on an indoor trainer as well | Rest | BHe <br> 210 MINS EASY TO STEADY EFFORT LONG RIDE @ ZONES 1 - 3 Aim to keep your average cadence at 85 rpm / HR zone 2 and as little free wheeling as you can, <br> 20 mins easy warm up <br> 3 mins zone 3 at 100rpm, 5 mins zone 3 at 100rpm, 7 mins zone 3 at $100 \mathrm{rpm}, 9$ mins zone 3 at 100rpm, 7 mins zone 3 at 100rpm, 5 mins zone 3 at 100rpm, <br> 3 mins zone 3 at 100rpm all off 2 mins easy effort recovery. <br> Ride the rest of your ride at zones 2 - <br> 3, cool down + stretch |  |
|  |  |  |  |  |  |  | 90 MINS <br> EASY EFFORT <br> LONG RIDE @ <br> ZONES 1-2 <br> Rolling course if possible + stretch |
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| Week | BHe <br> 15 mins easy effort indoor bike <br> Conditioning <br> 30-45 mins strength and conditioning + stretch | BHe <br> 60 MINS $5 \times 5$ MIN @ THRESHOLD EFFORT ZONES 4-5 <br> 15 mins warm up zones <br> Recovery <br> $1-2,5 \times 5$ min at hr zones $4-5$ with 2 mins easy effort recovery between intervals, 10-15 mins easy effort zone 2 cool down + stretch | BHE <br> 15 mins easy effort indoor bike <br> Conditioning <br> 30-45 mins strength and conditioning + stretch | BHe <br> 60 MINS RECOVERY RIDE On a flat course, keeping heart rate in Zone 1 + stretch. Can be done on an indoor trainer as well | Rest | BHe <br> 240 MINS EASY TO STEADY EFFORT LONG RIDE @ ZONES 1-3 <br> Aim to keep your average cadence at 85 rpm / HR zone 2 and as little free wheeling as you can, <br> 20 mins easy warm up <br> 3 mins zone 3 at 100rpm, 5 mins zone 3 at 100rpm, 7 mins zone 3 at $100 \mathrm{rpm}, 9$ mins zone 3 at 100rpm, 7 mins zone 3 at 100rpm, 5 mins zone 3 at 100rpm, <br> 3 mins zone 3 at 100rpm all off 2 mins easy effort recovery. <br> Ride the rest of your ride at zones 2 - <br> 3, cool down + stretch | BHe <br> 90 MINS <br> EASY EFFORT <br> LONG RIDE @ <br> ZONES 1-2 <br> Rolling course if possible + stretch |
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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 15 mins easy effort indoor bike <br> Conditioning <br> $30-45$ mins strength and conditioning + stretch | 60 MINS $2 \times 10$ MIN @ THRESHOLD EFFORT ZONES 4-5 <br> 15 mins warm up zones $1-2$, 2 $\times 10$ min at hr zones $4-5$ with 2 mins easy effort recovery between intervals, 10-15 mins easy effort zone 2 cool down + stretch | 15 mins easy effort indoor bike, 30-45 mins strength and conditioning (easy on the legs today please) + stretch | 90 MINS EASY EFFORT LONG RIDE @ ZONES 1 - 2 Rolling course if possible + stretch |  | 300 MINS @ ZONES EASY TO HARD EFFORT 1-5 PLUS HILL REPEATS. 1 hour easy / steady effort zones 1-3 warm up, $4 \times 500$ metres hill sprint zone $4-5$, easy effort pedal back down then $4 \times 1 \mathrm{~km}$ up hill as 500 metre easy up hill, 500 metres hard up hill zone 4-5 with easy effort roll back down, Ride out the rest of your ride at an easy / steady effort in zones 1-3+stretch | 75 MINS RECOVERY RIDE On a flat course, keeping heart rate in Zone 1 + stretch. Can be done on an indoor trainer as well |
|  | BHe <br> 15 mins easy effort indoor bike Condtioning $30-45$ mins strength and conditioning + stretch | BHze <br> 60 MINS INCLUDING $10 \times 30$ SEC SPRINTS <br> 10-15 mins warm up zones 1-2, $10 \times 30$ second sprints with 2 mins easy recovery spin in between sprints, 10 mins cool down + stretch. Best done on an indoor trainer | Rest | BHe <br> 90 MINS EASY EFFORT LONG RIDE @ ZONES 1-2 Rolling course if possible + stretch | Rest | BHe <br> 120 MINS EASY RIDE No focus just easy ride time and enjoy + stretch | Rest |
| Week <br> 44 | BHe <br> 15 mins easy effort indoor bike <br> Condtioning <br> $30-45$ mins <br> strength and <br> conditioning + <br> stretch | Bike <br> 60 MINS $2 \times 10$ MIN @ THRESHOLD EFFORT ZONES 4-5 <br> 15 mins warm up zones $1-2$, 2 $\times 10$ min at hr zones $4-5$ with 2 mins easy effort recovery between intervals, 10-15 mins easy effort zone 2 cool down + stretch | BHke <br> 15 mins easy effort indoor bike <br> Condtioning <br> 30-45 mins strength and conditioning + stretch | BHe <br> 60 MINS RECOVERY RIDE On a flat course, keeping heart rate in Zone 1 + stretch. Can be done on an indoor trainer as well | Rest | Bike <br> 300 MINS @ ZONES EASY TO HARD EFFORT 1-5 PLUS HILL REPEATS. 1 hour easy / steady effort zones $1-3$ warm up, $4 \times 500$ metres hill sprint zone 4-5, easy effort pedal back down then $4 \times 1 \mathrm{~km}$ up hill as 500 metre easy up hill, 500 metres hard up hill zone 4-5 with easy effort roll back down, Ride out the rest of your ride at an easy / steady effort in zones 1-3 + stretch | BHe <br> 75 MINS RECOVERY RIDE On a flat course, keeping heart rate in Zone 1 + stretch. Can be done on an indoor trainer as well |
|  | BHe <br> 15 mins easy effort indoor bike <br> Condtioning <br> 30-45 mins strength and conditioning + stretch | BHe <br> 70 MINS $3 \times 10$ MIN @ THRESHOLD EFFORT ZONES 4-5 <br> 15 mins warm up zones $1-2$, 3 $\times 10$ min at hr zones $4-5$ with 3 mins easy effort recovery between intervals, 10-15 mins easy effort zone 2 cool down + stretch | Rest | BHe <br> 40 MINS RECOVERY RIDE On a flat course, keeping heart rate in Zone $1+$ stretch. Can be done on an indoor trainer as well | Rest | Bike <br> 330 MINS EASY TO HARD EFFORT @ ZONES 1 - 5A COURSE RECCE Ride a course with sections similar to your challenge event. Ride hills in your route or simulate hills by utilizing bigger gears and a lower cadence. Ride in Zones 1 - 5a. The goal of this session is not to maximise your time in the higher zones + stretch | BHe <br> 90 MINS EASY EFFORT LONG RIDE @ ZONES 1-2 <br> Rolling course if possible + stretch |
| Week <br> 1.6 | BHe <br> 15 mins easy effort indoor bike Condtioning $30-45$ mins strength and conditioning + stretch | BHe <br> 70 MINS $3 \times 10 \mathrm{MIN}$ @ THRESHOLD EFFORT ZONES 4-5 <br> 15 mins warm up zones $1-2,3$ $\times 10$ min at hr zones $4-5$ with 3 mins easy effort recovery between intervals, 10-15 mins easy effort zone 2 cool down + stretch | Rest | BHe <br> 40 MINS RECOVERY RIDE On a flat course, keeping heart rate in Zone 1 + stretch. Can be done on an indoor trainer as well | Rest | BHe <br> 330 MINS EASY TO HARD EFFORT @ ZONES 1 - 5A COURSE RECCE <br> Ride a course with sections similar to your challenge event. Ride hills in your route or simulate hills by utilizing bigger gears and a lower cadence. Ride in Zones 1 - 5a. The goal of this session is not to maximise your time in the higher zones + stretch | BHe <br> 90 MINS <br> EASY EFFORT <br> LONG RIDE @ <br> ZONES 1-2 <br> Rolling course if <br> possible + stretch |



