

16 week sprint triathlon training plan beginner

16 Week Sprint Triathlon Training Plan Beginner: Your Guide to Success

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Introduction:

Embarking on your first sprint triathlon is a significant achievement, requiring dedication, planning, and a structured approach. This comprehensive guide outlines a detailed 16 week sprint triathlon training plan beginner focused on building a solid foundation of swimming, cycling, and running fitness. It's crucial to remember that this plan is a guideline; adapting it to your individual needs and listening to your body are paramount. Consult your physician before beginning any new exercise program. This 16 week sprint triathlon training plan beginner emphasizes progressive overload, rest and recovery, and injury prevention.

Phase 1: Building the Base (Weeks 1-4)

This initial phase of your 16 week sprint triathlon training plan beginner focuses on establishing a consistent training routine across all three disciplines. The emphasis is on building aerobic base fitness and developing proper technique. Expect lower intensity workouts with longer durations.

Swimming: Focus on drills, technique, and building endurance. Aim for 2-3 swims per week, gradually increasing distance.

Cycling: Easy, conversational pace rides focusing on building endurance and comfort on the bike. Aim for 2-3 rides per week, gradually increasing

distance.

Running: Easy jogging, focusing on building a comfortable running base. Aim for 2-3 runs per week, gradually increasing distance.

Strength Training: Incorporate 1-2 sessions per week focusing on core strength and overall body conditioning.

Phase 2: Increasing Intensity (Weeks 5-8)

Phase 2 of your 16 week sprint triathlon training plan beginner introduces higher intensity workouts to improve speed and power. Interval training, tempo runs, and hill repeats are incorporated to challenge your fitness level.

Swimming: Introduce interval training sets to improve speed and power.

Cycling: Include hill repeats and interval training on the bike.

Running: Introduce tempo runs and interval training to build speed and endurance.

Strength Training: Continue with 1-2 sessions per week, focusing on functional strength relevant to triathlon.

Phase 3: Specificity and Race Simulation (Weeks 9-12)

This critical phase of your 16 week sprint triathlon training plan beginner focuses on race-specific training. Brick workouts (combining cycling and running immediately after one another) are introduced to simulate the transition phase of the race.

Swimming: Focus on race-pace swimming intervals.

Cycling: Longer rides at race-pace intensity.

Running: Longer runs at race-pace intensity.

Brick Workouts: Introduce 1-2 brick workouts per week.

Strength Training: Reduce frequency to 1 session per week, focusing on maintenance.

Phase 4: Tapering and Race Preparation (Weeks 13-16)

The final phase of your 16 week sprint triathlon training plan beginner involves tapering your training volume to allow your body to recover and prepare for race day. This phase emphasizes rest and nutrition.

Swimming: Reduce volume and intensity, focusing on maintaining technique and speed.

Cycling: Reduce volume and intensity, focusing on maintaining fitness.

Running: Reduce volume and intensity, focusing on maintaining fitness.

Brick Workouts: Reduce or eliminate brick workouts.

Strength Training: Stop strength training completely.

Rest and Recovery: Prioritize sleep and nutrition.

Nutrition and Hydration:

Fueling your body properly is crucial for successful completion of your 16 week sprint triathlon training plan beginner. Consume a balanced diet rich in carbohydrates, protein, and healthy fats. Hydrate adequately throughout the day, especially during and after training sessions.

Injury Prevention:

Listen to your body. Rest when needed, and don't push through pain. Proper warm-up and cool-down routines are essential. Consider incorporating mobility work and stretching into your routine.

Race Day Strategy:

Develop a race-day plan, including pacing strategies for each discipline. Practice transitions to minimize transition time. Stay hydrated and fueled during the race.

Summary:

This 16 week sprint triathlon training plan beginner provides a structured approach to preparing for your first sprint triathlon. By following this plan, focusing on proper technique, and prioritizing rest and recovery, beginners can significantly improve their fitness and successfully complete their first race. The plan emphasizes progressive overload, incorporating increasing intensity and specificity throughout the 16 weeks, culminating in a tapering phase for optimal race-day performance.

Conclusion:

Completing a sprint triathlon is a challenging but incredibly rewarding experience. By dedicating yourself to this 16 week sprint triathlon training plan beginner and consistently following the guidelines, you'll be well-prepared to tackle your first race with confidence and achieve your goals. Remember to listen to your body, adjust the plan as needed, and enjoy the journey!

FAQs:

1. Can I modify this 16 week sprint triathlon training plan beginner to fit my schedule? Yes, you can adjust the frequency and duration of workouts to fit your schedule, but maintain the overall training volume and intensity progression.

1. What type of equipment do I need? You will need a swimsuit, goggles, swim cap, bicycle (road or hybrid), helmet, running shoes, and appropriate athletic apparel.
1. How important is strength training in this 16 week sprint triathlon training plan beginner? Strength training is crucial for injury prevention, power output, and overall performance.
1. What should I eat before, during, and after training? Focus on easily digestible carbohydrates before training, electrolyte drinks during long sessions, and protein and carbohydrates after training.
1. What if I get injured during training? Stop training immediately and consult a physician or physical therapist.
1. How much rest should I take? Adequate rest and recovery are crucial; prioritize sleep and listen to your body's signals.
1. What is the best way to practice transitions? Simulate transitions during your brick workouts to perfect your technique and minimize transition time on race day.
1. How do I choose the right running shoes? Visit a running specialty store for a proper fitting to ensure comfort and prevent injuries.
1. What should my race-day strategy be? Pace yourself strategically, focusing on consistent effort and avoiding burnout.

Related Articles:

1. Beginner's Guide to Triathlon Nutrition: Covers essential nutrition strategies for fueling your training and race day.
2. Mastering Triathlon Transitions: Provides detailed guidance on perfecting your transitions for faster race times.
3. How to Choose the Right Triathlon Bike: A comprehensive guide to selecting the ideal bicycle for your needs and budget.
4. Open Water Swimming Tips for Beginners: Essential tips for navigating open water swims safely and efficiently.
5. Sprint Triathlon Training Schedule for Intermediate Athletes: A more advanced training plan for those who have completed a sprint triathlon before.
6. Avoiding Common Triathlon Injuries: Focuses on injury prevention strategies for all three disciplines.
7. Building Core Strength for Triathlon: Detailed exercises and programs for improving core strength and stability.
8. Mental Strategies for Triathlon Success: Addresses the mental aspects of training and racing, including motivation and stress management.
9. Post-Race Recovery for Triathletes: Guidance on optimizing recovery after your triathlon, including nutrition and rest strategies.

16 week sprint triathlon training plan beginner: *80/20 Triathlon* Matt Fitzgerald, David Warden, 2018-09-18 A breakthrough program for triathletes -- beginner, intermediate, and advanced -- showing how to balance training intensity to maximize performance -- from a fitness expert and elite coach. Cutting-edge research has proven that triathletes and other endurance athletes experience their greatest performance when they do 80 percent of their training at low intensity and the remaining 20 percent at moderate to high intensity. But the vast majority of recreational triathletes are caught in the so-called moderate-intensity rut, spending almost half of their time training too hard--harder than the pros. Training harder isn't smarter; it actually results in low-grade chronic fatigue that prevents recreational athletes from getting the best results. In *80/20 Triathlon*, Matt Fitzgerald and David Warden lay out the real-world and scientific evidence, offering concrete tips and strategies, along with complete training plans for every distance--Sprint, Olympic, Half-Ironman, and Ironman--to help athletes implement the 80/20 rule of intensity balance. Benefits include reduced fatigue and injury risk, improved fitness, increased motivation, and better race results.

16 week sprint triathlon training plan beginner: *Triathlete Magazine's Essential Week-by-Week Training Guide* Matt Fitzgerald, 2009-11-29 From *Triathlete* magazine--the most

popular source for triathlete information--comes an essential guidebook of weekly training plans for all skill levels. As popular as the swim-bike-run sport has become in recent years, triathlon training remains a daunting physical and mental challenge. From short sprints to Olympic distance events, this guide from Triathlete magazine provides athletes with different plans for every skill level, and shows them how to build up their training to reach their ultimate goal. Good-humored narrative text accompanies detailed workout schedules, guidelines, weekly goals, and coaching tips. Including off-season training advice and photo-illustrated stretches and exercises, this is the book triathletes need to stay at the top of their game.

16 week sprint triathlon training plan beginner: *Fast-Track Triathlete* Matt Dixon, 2017-10-18 Lays out all the elements needed to succeed and excel at triathlon without compromising the other important things in your life like family, friends and sleep. In *Fast-Track Triathlete*, elite triathlon coach Matt Dixon offers his plan of attack for high performance in long-course triathlon—without sacrificing work or life. Developed for busy professionals with demanding schedules, the *Fast-Track Triathlete* program makes your PR possible in Ironman®, Ironman 70.3®, Rev3, and Challenge triathlon in about 10 hours a week. Training for long-course triathlons once demanded 15-20 hours each week—on top of work, family, travel and other time commitments. For many, preparing for long-distance triathlon is more challenging than the race itself. *Fast-Track Triathlete* opens the door to your best performance in full- and half-distance triathlons in half the traditional training time. Dixon's laser-focused, effective approach to workouts, recovery, strength and mobility, and nutrition means you can prepare for triathlon's greatest challenges in just 7-10 hours per week for half-distance and 10-12 hours per week for full-distance. *Fast-Track Triathlete* includes: Dixon's complete guide to creating a successful sport and life performance recipe How to plan out your triathlon training Scaling workouts for time and fatigue Training and racing during travel Executing your swim-bike-run and transitions plan on race day 10-week off-season training program with key workouts 14-week pre-season training program with key workouts 14-week comprehensive race-prep full and half training plans with fully integrated strength and conditioning Dixon's first book, *The Well-Built Triathlete*, revealed his four-tiered approach to success in all triathlon race distances. *Fast-Track Triathlete* turbocharges Dixon's well-built program so even the busiest athletes can achieve their long-distance triathlon dreams without sacrificing so much to achieve them. What other athletes are saying about FAST-TRACK TRIATHLETE: I went from marathons and sprint tris straight to a full Ironman in 1 year while overcoming an injury with this plan. The importance of sleep/rest, quality vs. quantity, endurance AND strength, nutrition, etc. -- this book shares such a realistic and balanced approach to training and helped me train for and complete my first Ironman (140.6) race as a working mother of 3 small children and a 13:32 finish time. Breath of fresh air read on triathlon training - planning - life balance, in context of performance improvement.

16 week sprint triathlon training plan beginner: *Complete Triathlon Guide* USA Triathlon, 2012-04-24 Triathletes, rejoice! For the first time, USA Triathlon, its elite athletes, and the nation's most respected coaches share their secrets, strategies, and advice for every stage, every event, and every aspect of the world's most demanding sport. From training to technique, fueling to recovery, if it's essential to the sport, it is covered in *Complete Triathlon Guide*. In this guide, you'll find invaluable bike-handling techniques straight from the pros, learn how to assess running form and improve running cadence and stride, troubleshoot your freestyle swim stroke, and shave seconds off starts and transitions. And you'll go inside the sport for expert instruction and personal insights from triathlon's biggest names: Joe Friel Gordon Byrn Bob Seebohar Sage Rountree Ian Murray Sara McLarty Linda Cleveland George Dallam Steve Tarpinian Krista Austin Iñigo Mujika Alicia Kendig Barb Lindquist Christine Palmquist Graham Wilson Jackie Dowdeswell Jess Manning Joe Umphenour Karl Riecken Katie Baker Kristen Dieffenbach Kurt Perham Mathew Wilson Michael Kellmann Mike Ricci Scott Schnitzspahn Sergio Borges Sharone Aharon Suzanne M. Atkinson Timothy Carlson Yann Le Meur With *Complete Triathlon Guide* you'll enhance your training regimen with the most effective workouts, including stage-specific programs for swimming, cycling, and

running; programs for strength, flexibility, and endurance; tactics that address individual weaknesses; and advice on tapering to ensure you're in peak physical condition on race day. From the latest on equipment and technology to preventing injuries and dehydration, this guide has you covered. Whether you're gearing up for your first race or you're a hard-core competitor looking to stay ahead of the pack, Complete Triathlon Guide is the one book you should not be without.

16 week sprint triathlon training plan beginner: Triathlon for the Every Woman Meredith Atwood, 2019-03-12 You Are a Badass for aspiring triathletes: a practical and inspiring guide to getting off the couch and on the trail to race your first -- or 50th -- triathlon When Meredith Atwood first shared her journey from tired, overworked wife and mom to successful triathlete, her story resonated with women everywhere, online at her SwimBikeMom blog and in the first edition of Triathlon for the Every Woman. Now with her own IRONMAN finishes, experience, and triathlon coaching expertise, Meredith is back with even more wisdom. In this fully revised edition, Atwood not only shares how she went from the couch to an IRONMAN 70.3 triathlon in just over a year, but also shares the latest expertise from coaches, nutritionists, and athletes on each component of the triathlon: swimming, biking, and running. With compact training plans, the most current nutrition advice, updated resources, and the latest information on long-distance racing, this new edition has all you need to make your triathlon goals a reality.

16 week sprint triathlon training plan beginner: Your Best Triathlon Joe Friel, 2014-03-12 Your Best Triathlon is a master plan that will guide experienced triathletes through every week of their season. For each phase of training, Joe lays out the path to success, outlining clear objectives and the guidelines to meet them. Joe Friel's highly refined training plans for sprint, Olympic, half-Ironman®, and Ironman® race distances will help serious triathletes deliver a breakout performance, even those with countless races under their belt. Joe offers a tool kit of proven workouts that will isolate and develop specific abilities. Within each workout and plan, he offers easy modifications to better manage personal limiters and improve performance. Hundreds of thousands of triathletes have relied on Joe Friel and his groundbreaking best seller, The Triathlete's Training Bible, to develop their own self-coached training programs. Now Joe Friel, the most experienced coach in triathlon, reveals his formula for advanced training and coaches triathletes to their best race ever.

16 week sprint triathlon training plan beginner: Training Plans for Multisport Athletes Gale Bernhardt, 2000 Offers multisport athletes advice on how to understand the science of training and effectively self-train, providing sample training plans for different levels of multisport events, specific workouts for each type of plan, ratings for exertion levels, and generic training plans that can be used for all ability levels.

16 week sprint triathlon training plan beginner: Your First Triathlon Joe Friel, 2012-04-01 Joe Friel is the world's most trusted triathlon coach and his friendly guide, Your First Triathlon, will get you ready for your first sprint or Olympic triathlon feeling strong, confident, and ready for the challenge. Friel has helped hundreds of thousands of people to enjoy the challenges of triathlon with his clear and comprehensive TrainingBible method. Your First Triathlon simplifies all the principles of Friel's training approach for newcomers who want a simple, no-nonsense way to train for triathlon. The practical triathlon training plans in Your First Triathlon take fewer than 5 hours a week and will build the fitness and confidence you need to enjoy your first event. Your First Triathlon offers a 12-week training plan for total beginners as well as custom plans for athletes who have some experience in running, cycling, or swimming. Each triathlon training schedule includes realistic swimming, biking, and running workouts with options to add strength workouts. These simple plans will build anyone into a triathlete. Friel simplifies your triathlon race day with smart tips to navigate your race packet pickup, set up your transition area, fuel for your race, finish your swim without stress or fear, and ensure your race goes smoothly from the moment you wake up until you cross the finish line. Triathlon is a fun and challenging sport that can help you get fit, healthy, and feeling great. Your First Triathlon will help you get off to a great start in the swim-bike-run sport.

16 week sprint triathlon training plan beginner: Be Iron Fit Don Fink, 2010-03-16 “Most how-to books are too technical or too shallow. Don Fink manages to pen a unique combination of information, anecdotes, and readability.”—Scott Tinley, two-time Ironman World Champion “Don’s book certainly made me think. A truly complete book for all abilities in the sport of triathlon that leaves no subject untouched.”—Spencer Smith, three-time Triathlon World Champion Ever dream of being an elite endurance athlete and competing in races like Hawaii’s Ironman? Pro athletes are not the only people who can attain such superior accomplishments. Every season tens of thousands of amateur triathletes compete head-to-head, pushing their physical and mental strength to the limits. The Ironman competition is a true test: a 2.4-mile open-water swim followed by a 112-mile bike leg and a 26.2-mile marathon run. In Be Iron Fit, sought-after multisport coach Don Fink draws on his time-efficient training methods to provide a practical program in a step-by-step, enjoyable way—so even everyday athletes can attain ultimate conditioning.

16 week sprint triathlon training plan beginner: No Meat Athlete Matt Frazier, Matt Ruscigno, 2013-10 Combining the winning elements of proven training approaches, motivational stories, and innovative recipes, No Meat Athlete is a unique guidebook, healthy-living cookbook, and nutrition primer for the beginner, every day, and serious athlete who wants to live a meatless lifestyle. Author and popular blogger, Matt Frazier, will show you that there are many benefits to embracing a meat-free athletic lifestyle, including: Weight loss, which often leads to increased speed; Easier digestion and faster recovery after workouts; Improved energy levels to help with not just athletic performance but your day-to-day life; Reduced impact on the planet. Whatever your motivation for choosing a meat-free lifestyle, this book will take you through everything you need to know to apply your lifestyle to your training. Matt Frazier provides practical advice and tips on how to transition to a plant-based diet while getting all the nutrition you need; uses the power of habit to make those changes last; and offers up menu plans for high performance, endurance, and recovery. Once you’ve mastered the basics, Matt delivers a training manual of his own design for runners of all abilities and ambitions. The manual provides training plans for common race distances and shows runners how to create healthy habits, improve performance, and avoid injuries. No Meat Athlete will take you from the start to finish line, giving you encouraging tips, tricks, and advice along the way--

16 week sprint triathlon training plan beginner: Runner's World Run Less Run Faster Bill Pierce, Scott Murr, 2021-01-19 Finally, runners at all levels can improve their race times while training less, with the revolutionary Furman Institute of Running and Scientific Training (FIRST) program. Hailed by the Wall Street Journal and featured twice in six months in cover stories in Runner's World magazine, FIRST’s unique training philosophy makes running easier and more accessible, limits overtraining and burnout, and substantially cuts the risk of injury, while producing faster race times. The key feature is the 3 plus 2 program, which each week consists of: -3 quality runs, including track repeats, the tempo run, and the long run, which are designed to work together to improve endurance, lactate-threshold running pace, and leg speed -2 aerobic cross-training workouts, such as swimming, rowing, or pedaling a stationary bike, which are designed to improve endurance while helping to avoid burnout With detailed training plans for 5K, 10K, half marathon, and marathon, plus tips for goal-setting, rest, recovery, injury rehab and prevention, strength training, and nutrition, this program will change the way runners think about and train for competitive races. Amby Burfoot, Runner's World executive editor and Boston Marathon winner, calls the FIRST training program the most detailed, well-organized, and scientific training program for runners that I have ever seen.

16 week sprint triathlon training plan beginner: Hal Higdon's Half Marathon Training Higdon, Hal, 2016-03-01 Hal Higdon’s Half Marathon Training offers prescriptive programming for all levels of runners. Not only will it help you learn how to get started with your training, but it will show you where to focus your attention, when to progress, and how to keep it simple.

16 week sprint triathlon training plan beginner: Triathlon Bike Foundations “triathlon” Taren Gesell, 2019-09-25 Triathlon Bike Foundations will help any new triathlete feel strong right up until the end of the bike, and be fresh for the run, with just two workouts a week! Between choosing

the right equipment, unfamiliar body positioning, and still needing to be able to run after riding in a race, many athletes feel overwhelmed and don't know where to start with the triathlon bike. Triathlon Bike Foundations is written BY a triathlete FOR triathletes. It will guide athletes in picking the right equipment on any budget and making sure their bikes are set up to be as comfortable as possible. Triathlon Taren Gesell is a triathlete who helps hundreds of thousands of new triathletes feel confident at the start line and strong at the finish line through his wildly popular Triathlon Taren YouTube channel, Instagram account, and podcast. Based in Winnipeg, Canada, Triathlon Taren is also the head coach and founder of TeamTrainiac.com, an online training platform supporting a solid community of triathletes from all around the world, where he shares tips, tricks, hacks and time-tested knowledge.

16 week sprint triathlon training plan beginner: 7 Weeks to a Triathlon Brett Stewart, Lewis Elliot, 2012-08-14 Following the success of the first three 7 Weeks books, this book tackles one of the great sports challenges anyone can embark upon, a triathlon, in just 7 weeks of training. It's simple, daily schedule for 7 weeks allows readers to go from a basic fitness level to athlete.

16 week sprint triathlon training plan beginner: Triathlon Sam Murphy, 2009 The definitive guide to the swimming, cycling and running event.

16 week sprint triathlon training plan beginner: The 12 Week Triathlete, 2nd Edition-Revised and Updated Tom Holland, 2011-03 Whether you are a beginner or a seasoned triathlete, training for a Sprint, Olympic, Half-Ironman, or Ironman event, this book offers a complete, step-by-step program that will help you strengthen, tone-up, and both physically and mentally prepare for the

16 week sprint triathlon training plan beginner: *Healthy Tipping Point* Caitlin Boyle, 2012-05-01 Start small for big results with this inspiring guide to lifelong wellness—from popular health blogger and author of Operation Beautiful. In *Healthy Tipping Point*, Caitlin Boyle shares the down-to-earth philosophy and authoritative advice that has made her websites so popular. Believing that reaching a tipping point means much more than tipping the scales, Boyle helps readers find their personal ideal balance in food, fitness, love, and life, in a breakthrough program organized around three shifts: • Get Real: Challenge negative-thought patterns to create space for success • Eat Clean: Ditch conventional “diet” advice and follow a simple eating plan tailored to keep energy high, while helping the environment—including forty-five delicious vegetarian recipes for foodies on the go • Embrace Strength: Commit to a high-powered fitness program designed to help one learn to love exercise and build a strong, lean body—with targeted guidance for novice runners, bikers, swimmers, and others Featuring twenty inspiring success stories and photos of people who have transformed their lives, the book proves that a healthy body is absolutely attainable. Healthy living and a healthy self-image go hand in hand. For anyone who struggles to get fit, *Healthy Tipping Point* provides the drive to thrive.

16 week sprint triathlon training plan beginner: *Triathlete Magazine's Essential Week-by-Week Training Guide* Matt Fitzgerald, 2009-11-29 From Triathlete magazine--the most popular source for triathlete information--comes an essential guidebook of weekly training plans for all skill levels. As popular as the swim-bike-run sport has become in recent years, triathlon training remains a daunting physical and mental challenge. From short sprints to Olympic distance events, this guide from Triathlete magazine provides athletes with different plans for every skill level, and shows them how to build up their training to reach their ultimate goal. Good-humored narrative text accompanies detailed workout schedules, guidelines, weekly goals, and coaching tips. Including off-season training advice and photo-illustrated stretches and exercises, this is the book triathletes need to stay at the top of their game.

16 week sprint triathlon training plan beginner: Triathlon Swimming Foundations "triathlon" Taren Gesell, 2019-08-15 Of all three disciplines in triathlon, swimming is the one dreaded the most by age-group triathletes, many of whom have had little formal experience in the water. Fortunately, of the three sports, swimming might be the easiest in which to make improvements. Triathlon Swimming Foundations provides a simple, straightforward system

developed BY a triathlete FOR triathletes, allowing them to become comfortable and confident in the water using a system of triathlon-specific drills and techniques. Triathletes who follow this program are sure to breathe easily in the water without panic, eliminate sinking legs, gain previously elusive speed, and swim smoothly in a triathlon from the start line right into transition, with plenty of energy left to take on the rest of the race. Triathlon Taren Gesell is a triathlete who has become known for his wildly popular Triathlon Taren YouTube page, Instagram account and podcast, where he shares tips, tricks, hacks and time-tested knowledge to help age-groupers get to their start lines confident and their finish lines strong. Based in Winnipeg, Canada, Triathlon Taren is also the head coach of Team Trainiac, a training platform supporting a growing community of triathletes from all around the world.

16 week sprint triathlon training plan beginner: The Time-Crunched Cyclist Chris Carmichael, Jim Rutberg, 2017-03-07 The Time-Crunched Cyclist reveals the fastest way to get fit for road racing, century rides, gravel grinders, cyclocross, Gran Fondos, and mountain bike events. With elite cycling coach Chris Carmichael's innovative, time-saving approach, busy cyclists will develop fitness, speed, and power in just 6 hours a week. Now powered by Strava, this updated third edition of The Time-Crunched Cyclist training program taps into the most popular cycling social network to help cyclists get fired up to crush their workouts, one segment at a time. Through his popular endurance coaching service, Carmichael noticed that many busy cyclists are unable to make performance gains using conventional training methods; they simply don't have enough time to train. So CTS developed a new approach the Time-Crunched Training Program to help cyclists achieve competitive fitness and power without the impossible time demands of traditional training methods. The Time-Crunched Cyclist shows cyclists how to build fitness on a realistic schedule by tapping the power of high-intensity interval training (HIIT) workouts. Cyclists learn the science behind this alternative approach to training before performing the CTS field tests to get a baseline reading of their fitness. Nine comprehensive training plans include effective time-crunched workouts, nutrition guidelines, and strength training to develop the speed and endurance for a wide variety of cycling races and events. The new Time-Crunched Training Plans cover: New and Experienced plans for criteriums, road races, and cyclocross New, Experienced, and Competitive plans for century rides and Gran Fondos Gravel racing and ultraendurance mountain biking plans Intermediate and Advanced plans for commuters This new, third edition integrates Strava, the popular ride tracking and analysis program. Powered by Strava, the Time-Crunched program becomes interactive, social, highly motivating and focuses riders on the training data that matters most. It also adds the Time-Crunched Diet, a sports nutrition approach designed to help riders optimize their power-to-weight ratio with new guidelines on eating behaviors and delicious recipes from chefs Michael Chiarello and Matt Accarrino. A new chapter on hydration and managing heat stress will show athletes simple ways to avoid overheating that lead to better performance. The Time-Crunched Cyclist can help you capture your best performance all in the time you have right now.

16 week sprint triathlon training plan beginner: *The Complete Idiot's Guide to Triathlon Training* Colin Barr, Steve Katai, 2007-04-03 Every man an Iron Man, and every woman, too! No longer exclusive events reserved for only the most committed athletes, triathlons, duathlons (bike and run), and aquathons (swim and run) now attract hundreds of thousands of Americans. Filled with the inside tips, practical advice, and photos, this is the book for any man or woman who wants to compete in multi-sport events, regardless of experience level. --Authors are experienced triathlon competitors and personal trainers --Tips on setting up, equipment, training, diet, and motivation --Dozens of exciting instructional photos

16 week sprint triathlon training plan beginner: *Triathlon Running Foundations: A Simple System for Every Triathlete to Finish the Run Feeling Strong, No Matter Their Athletic Background* Triathlon Taren Gesell, 2020-04-07 Despite what you might have heard, triathlon running is not like typical running. The triathlon run comes after a swim and a bike, making training, pacing, and technique requirements very different from regular running. But this isn't what

triathletes have been told! Fortunately, with the right kind of run training, the triathlon run doesn't have to be a long, painful slog with a stumble to the finish. Triathlon Running Foundations provides the specific information athletes need in order to feel strong for every step of the run, all the way to the finish. For anyone who has ever said they dread the run, can't seem to improve, get injured, or feel like they're just not built to run, this book will be the solution! Triathlon Taren Gesell is a triathlete who has become known for his wildly popular YouTube channel, Instagram account, and podcast, where he shares tips, tricks, hacks, the latest scientific findings and time-tested knowledge to help age-groupers get to their start lines confident and their finish lines strong. Based in Winnipeg, Canada, Taren is also the head coach of TeamTrainiac.com, a training platform supporting a growing community of triathletes from all around the world.

16 week sprint triathlon training plan beginner: *The Triathlete Guide to Sprint & Olympic Triathlon Racing* Chris Foster, Ryan Bolton, 2020-04-07 The Triathlete Guide to Sprint and Olympic Triathlon Racing will help you discover the speed, thrill, and challenge of triathlon's most popular race distances. Not everyone has time to train for long-course triathlons. By pursuing triathlon's shorter distances, you can enjoy all the total body fitness benefits of the swim-bike-run sport and discover the unique challenges of short-course racing all while enjoying a life outside of training. This complete guide from former pro triathletes Chris Foster and coach Ryan Bolton shares all the know-how you need to find speed and enjoy successful racing in sprint and Olympic-distance triathlons. Foster, now the Senior Editor of Triathlete magazine, shares his pro advice for how to set a smart race strategy, how to master triathlon pacing, how to execute fast transitions, how to train to improve your weakness and race to your strengths. Bolton offers smart, effective sprint and Olympic triathlon training plans so you can get started right away, no matter your background. Sprint and Olympic triathlons are triathlon's most popular distances for good reasons. Experienced triathletes returning to the short course will enjoy a break from long, slow hours of training and rediscover the joy of speed. Active people looking for a new challenge can jump right into triathlon's most beginner-friendly distances. The Triathlete Guide to Sprint and Olympic Triathlon Racing makes it simple to get back up to speed in the world's most rewarding endurance sport.

16 week sprint triathlon training plan beginner: Run with Power Jim Vance, 2016-05-01 RUN WITH POWER is the groundbreaking guide you need to tap the true potential of your running power meter. From 5K to ultramarathon, a power meter can make you faster but only if you know how to use it. Just viewing your numbers is not enough; you can only become a faster, stronger, more efficient runner when you know what your key numbers mean for your workouts, races, and your season-long training. In Run with Power, TrainingBible coach Jim Vance offers the comprehensive guide you need to find the speed you want. Run with Power demystifies the data and vocabulary so you can find and understand your most important numbers. You'll set your Running Power Zones so you can begin training using 8 power-based training plans for 5K, 10K, half-marathon, and marathon. Vance shows you how you can compare wattage, heart rate, pace, and perceived exertion to gain the maximum insight into your performances, how you respond to training, and how you can train more effectively. Run with Power will revolutionize how you train and race. Armed with Vance's guidance, you can train more specifically for races, smooth your running technique, accurately measure your fitness, predict a fitness plateau, monitor injuries, know exactly how hard you're training, get more fitness from every workout, recover fully, perfect your tapers, warm up without wasting energy, pace your race on any terrain, know when to open the throttle, and create an unprecedented picture of yourself as an athlete. If you're just glancing at the number on your wrist or computer monitor, you've got a lot more speed potential. Knowledge is power and understanding your power numbers can open the gate to new methods and new PRs. Run with Power introduces the use of power meters to the sport of running and will show you how to break through to all-new levels of performance. Key concepts explored in Run with Power: 3/9 Test, 30-minute Time Trial Test, Running Functional Threshold Power (rFTPw), Running Functional Threshold Pace (rFTPp), Averaged and Normalized Power (NP), Intensity Factor (IF), Peak Power, Variability Index, Efficiency Index (EI), speed per watt, Vance's Power Zones for Running, Training

Stress Score (TSS), and Periodization with Power. Includes 6 testing methods and 8 power-based training schedules and workouts for 5K, 10K, half-marathon, and marathon.

16 week sprint triathlon training plan beginner: *Swim Smooth* Paul Newsome, Adam Young, 2012-06-15 Transform your technique in the water and become a better swimmer with this remarkable new approach to freestyle swimming, suitable for all levels - beginner, intermediate and advanced, as well as swimming coaches. Aimed at both fitness and competitive swimmers, it explains what makes a successful stroke and how to develop your own swimming style. The Swim Smooth approach, developed by consultants to the gold medal winning British Triathlon team, helps you identify the strengths and weaknesses of your stroke and provides drill and training tips to make the most of your time in the water. It accepts differences in individual swimmers and shows you how to understand the fundamentals of swimming to find a style that works for you. Technique, fitness training, racing skills and open water swimming are all covered, with photographs and 3D graphics helping you to put theory into practice. Swim efficiently. Swim fast. Swim Smooth.

16 week sprint triathlon training plan beginner: *Train Like a Mother* Dimitry McDowell, Sarah Bowen Shea, 2012-03-20 The authors of *Run Like a Mother* share a comprehensive guide to race training for busy runners of all experience levels. In *Train Like a Mother*, elite runners Dimitry McDowell and Sarah Bowen Shea offer inspiration and practical advice on how to run a race—from training plan to finish line. Covering four race distances (5K, 10K, half-marathon, and marathon), they discuss pre- and post-race nutrition; strength training; injury prevention (and rehab); the importance of recovery; and everything busy women need to know to add racing to their multitasking schedules. It is all presented with the same wit, empathy, and tone the avid fans connect and identify with.

16 week sprint triathlon training plan beginner: *Racing Weight* Matt Fitzgerald, 2012-12-01 *Racing Weight* is a proven weight-management program designed specifically for endurance athletes. Revealing new research and drawing from the best practices of elite athletes, coach and nutritionist Matt Fitzgerald lays out six easy steps to help cyclists, triathletes, and runners lose weight without harming their training. This comprehensive and science-based program shows athletes the best ways to lose weight and avoid the common lifestyle and training hang-ups that keep new PRs out of reach. The updated *Racing Weight* program helps athletes: Improve diet quality Manage appetite Balance energy sources Easily monitor weight and performance Time nutrition throughout the day Train to get and stay lean *Racing Weight* offers practical tools to make weight management easy. Fitzgerald's no-nonsense Diet Quality Score improves diet without counting calories. *Racing Weight* superfoods are diet foods high in the nutrients athletes need for training. Supplemental strength training workouts can accelerate changes in body composition. Daily food diaries from 18 pro athletes reveal how the elites maintain an athletic diet while managing appetite. Athletes know that every extra pound wastes energy and hurts performance. With *Racing Weight*, cyclists, triathletes, and runners have a simple program and practical tools to hit their target numbers on both the race course and the scale.

16 week sprint triathlon training plan beginner: *ROAR* Stacy T. Sims, PhD, Selene Yeager, 2016-07-05 "Dr. Sims realizes that female athletes are different than male athletes and you can't set your race schedule around your monthly cycle. *ROAR* will help every athlete understand what is happening to her body and what the best nutritional strategy is to perform at her very best."—Evie Stevens, Olympian, professional road cyclist, and current women's UCI Hour record holder Women are not small men. Stop eating and training like one. Because most nutrition products and training plans are designed for men, it's no wonder that so many female athletes struggle to reach their full potential. *ROAR* is a comprehensive, physiology-based nutrition and training guide specifically designed for active women. This book teaches you everything you need to know to adapt your nutrition, hydration, and training to your unique physiology so you can work with, rather than against, your female physiology. Exercise physiologist and nutrition scientist Stacy T. Sims, PhD, shows you how to be your own biohacker to achieve optimum athletic performance. Complete with goal-specific meal plans and nutrient-packed recipes to optimize body composition, *ROAR* contains

personalized nutrition advice for all stages of training and recovery. Customizable meal plans and strengthening exercises come together in a comprehensive plan to build a rock-solid fitness foundation as you build lean muscle where you need it most, strengthen bone, and boost power and endurance. Because women's physiology changes over time, entire chapters are devoted to staying strong and active through pregnancy and menopause. No matter what your sport is—running, cycling, field sports, triathlons—this book will empower you with the nutrition and fitness knowledge you need to be in the healthiest, fittest, strongest shape of your life.

16 week sprint triathlon training plan beginner: Triathlon Training Bible Daisy K. Edzel, Daisy Edzel, 2017-08-01 SLOW AND BARELY ABLE TO FINISH A RACE? RIGHT AND WRONG TRIATHLON HABITS --- AND LITTLE POINTERS THAT WILL INCREASE YOUR SPEED AND ENDURANCE Are you a beginner, or someone in intermediate level who's going to compete in a major triathlon event soon? Full or Half Iron Man perhaps? Or maybe you're someone who needs to level up his game and improve his knowledge and capabilities in the sport? Increase endurance and speed perhaps? Whatever your goal may be, this is the one book you'll ever need! This is written by an actual, Triathlon competitor with years of experience in the discipline. You'll not only learn more, but you'll learn how to better your performance by learning techniques including exercise regimens and drills to up your performance in no time. This book will cover: intro to triathlon a bit of history swim, bike, run one of the few where to start - types of races, what you need to know and where to begin choose your distance set your goal manage your expectations know your gears for the swim for the bike for the run jargon buster - helping you understand the terms of the sport! triathlon training rules and techniques training rules to live by maximize your training swimming technique and etiquette competition swimming versus triathlon swimming improving your technique skills to develop training for endurance training for speed essential swim drills to master preparing your muscles for the swim leg open water swim finish the swim leg strong running technique and how to prevent injury and run faster training for the run leg common running mistakes focusing on the correct form important running drills to practice improving your off-bike run performance cycling in a pack what to do and what not to do organizing a group ride training rides and club rides group cycling etiquette transition - how to lay it out, what to bring and how to be effective your checklist setting up the don'ts rehearse understanding triathlon nutrition and why it is key? how your body uses fuel in triathlon key nutrition considerations training nutrition suggested nutrition strategy racing nutrition race day - what to look out for, how to prepare and what to expect? attend the race briefing review the rules review your checklist or to-do list before the race race day commit to finish keep going it's you versus you trust your training and have fun and much, much more... GRAB YOUR COPY NOW!

16 week sprint triathlon training plan beginner: Complete Nutrition Guide for Triathletes Jamie Cooper, 2012-12-04 Triathletes spend a lot of time and money making sure they have the right gear, optimizing their training plans, and selecting their races. And part of that preparation for big race days is taking care of diet to be sure the body is properly fed to maximize athletic performance. Enter *The Complete Nutrition Guide for Triathletes*, a thorough nutritional guidebook tailored specifically for the three-sport athlete to reach his triathlon goals and to cross the finish line with the best nutrition plan possible. Dr. Jamie A. Cooper brings to the book her expert knowledge about nutrition and exercise combined with her extensive experience as an active triathlete. The book covers each essential nutrient, offers up tailored nutritional plans for Sprint, Olympic, and Ironman races, and troubleshoots nutrition-related issues specifically concerning the triathlete.

16 week sprint triathlon training plan beginner: Marathon Hal Higdon, 2005-09-03 Features instructions for runners of all ability levels on preparing for a marathon, including training schedules, advice on diet, defensive running strategies, and tips for staying motivated.

16 week sprint triathlon training plan beginner: IronFit Secrets for Half Iron-Distance Triathlon Success Don Fink, Melanie Fink, 2013-12-23 Why is the Half Iron-Distance the most popular triathlon distance? Because it is the perfect length for busy athletes with demanding career

and family responsibilities. Full Iron-Distance races require such painstaking planning and sacrifice that it's difficult to keep life in balance. The Half Iron-Distance is accessible, while remaining challenging. Also known as the "70.3" for the sum of its 1.2 mile swim, 56 mile bike ride, and 13.1 mile run, the half-iron triathlon is not simply a race for which an athlete can use a full-iron training regimen chopped in half. Doing so would in no way approach maximizing an athlete's performance. The races are performed at completely different intensity levels, with completely different approaches. As a result, the training is completely different. IronFit Secrets to Half Iron-Distance Triathlon Success does for the half-iron what Be IronFit has done for the full-iron. It provides three sixteen-week training programs—Competitive, Intermediate, and "Just Finish"—and details everything an athlete needs to know to successfully prepare for and maximize performance at this racing distance. In as little as four months, any athlete can be physically and mentally ready for the world's most popular triathlon challenge.

16 week sprint triathlon training plan beginner: Hansons Marathon Method Humphrey Luke, 2012-11-27 In Hansons Marathon Method, the coaches of the Hansons-Brooks Distance Project reveal the methods they've used to turn their runners into race winners, national champions, and Olympians. Hansons Marathon Method offers a radical overhaul of marathon training that promises to turn any runner into a true marathoner and help experienced marathoners set new personal bests. Hansons Marathon Method does away with mega-long runs and high-mileage weekends—two outdated traditions that make most runners miserable. Instead, runners using the Hansons method will gradually build up to the moderate-high mileage required for marathon success, spreading those miles more sensibly throughout the week. Running easy days mixed with precisely paced speed, strength, and tempo workouts, runners will steel their bodies and minds to run the hardest miles of the marathon. Both Beginner and Advanced training programs feature the unique Hansons 16-mile long run which, as part of the Hansons program, is ideal for preparing the body for the marathon. Humphrey explains how runners should set their goal race pace and shows how to customize the Hansons method to their own needs, like adding extra racing, running more miles, and handling training interruptions. Detailed nutrition and hydration chapters help runners pinpoint their personal energy and hydration needs so they know precisely how much to eat and drink during workouts, race week, race day, and for recovery. The Hansons approach to pacing and nutrition means marathoners will never hit the wall. Hansons Marathon Method lays out the smartest marathon training program available from one of the most accomplished running groups in the nation. Using this innovative approach, runners will mold real marathon muscles, train their body to never hit the wall, and prepare to run their fastest marathon.

16 week sprint triathlon training plan beginner: The Triathlete's Training Diary Joe Friel, 2016-10-06 A perfect companion to any triathlon training program, The Triathlete's Training Diary offers an ideal way for you to plan, record, and better understand your workouts and performance. With undated pages for use any time of the year, this diary offers plenty of space for all the objective and subjective performance metrics you might want to track in a smart format that's been carefully designed, tested, and refined by Joe Friel, the top coach in the sport of triathlon. The Triathlete's Training Diary is wirebound to lay flat and flips easily so you can look up past workouts or settle your pre-race nerves by proving to yourself that you've done the work. This paper workout log is simple to use, never requires a login or password, and can be completely customized to meet your needs for any triathlon training schedule. This physical record of your workouts will reveal insights that don't display on an online dashboard. Fully compatible with Joe Friel's best-selling training programs like The Triathlete's Training Bible, Your First Triathlon, Going Long, and Your Best Triathlon, this diary simplifies the planning and execution of your triathlon training. High-performing athletes know that a training diary is an invaluable tool. Whether they work with a coach or train independently, even elite triathletes keep a training log to hone their feel for performance, consolidate training data in one location, track their progress, monitor for injuries and overtraining, and reshape their goals throughout the season. The Triathlete's Training Diary includes: Coach Friel's introduction to the essential details of keeping a training log. Friel's guide to

planning out your season. Season goals, Annual training hours, Weekly training hours 53 undated weekly spreads. Space for every training metric like rest/recovery, weight, workout type, route, distance/time, average heart rate and power, zones, weather, heart rate, RPE, and your custom notes Room for two-a-day workouts. Weekly Summary charts Race Results Summary to log finish times, split times, pre- and post-race nutrition, efforts, and age-group rankings Physiological test results such as VO2max and lactate threshold. Training Grids to graph the data you choose Road and mountain bike measurements with space to note adjustments Your favorite routes and best times Season results summary Race day gear checklist What gets measured gets managed. Add The Triathlete's Training Diary to your program and you'll unlock valuable insights that can help you improve in your sport.

16 week sprint triathlon training plan beginner: *The Working Triathlete* Conrad Goeringer, 2020-07-14 Includes detailed 18-week Olympic Distance & Half Iron Distance Training Plans! Stop worrying about not having enough time! No matter if you travel for work five days a week, are in the throes of medical residency, or put in 12+ hour days at the office, you can be exceptionally fast. Learn the principles, strategies, and tips behind the Working Triathlete training method to maximize your performance in fewer hours. LEARN HOW TO TRAIN WITH MAXIMUM EFFICIENCY The Working Triathlete was written for busy people who want to dominate in life and athletics. Learn how to cut out the fluff and wring every drop of potential from your body in the time you have available to train. YOU'LL DISCOVER: The secrets governing the Working Triathlete Training Methodology. Strategies to scale training to fit your life. Key workouts designed to enhance speed, endurance and efficiency. Ways to leverage tools and technology to optimize your training. Those who learn how to do more in less time tend to lead more fulfilling lives. Most athletes are busy individuals who have aspirations at work, home and on the racecourse. Fortunately, you don't have to sacrifice speed to live a balanced and productive life! YOU WILL ALSO LEARN HOW TO: Structure a training cycle for enhanced consistency and performance. Manipulate volume, frequency and intensity to maximize fitness in fewer hours. Approach your genetic potential in triathlon while staying sane, married and employed. A DIVORCE IS NOT A PREREQUISITE TO QUALIFYING FOR KONA!

16 week sprint triathlon training plan beginner: Swim Speed Secrets for Swimmers and Triathletes Sheila Taormina, 2012-05-01 In *Swim Speed Secrets*, 4-time Olympian, gold medalist, and triathlon world champion Sheila Taormina reveals the swim technique used by the world's fastest swimmers. Over the course of 4 Olympic Games and throughout her career as a world champion triathlete, Taormina refined her exceptional technique as a student of the sport, studying the world's best swimmers using underwater photographs and video analysis. From Johnny Weissmuller to Michael Phelps, the world's fastest swimmers share two common elements: high stroke rate and a high-elbow underwater pull. Many swimmers and triathletes neglect the underwater pull, distracted by stroke count or perfecting less critical details like body position, streamlining, and roll. *Swim Speed Secrets* focuses on producing power—the most crucial element of swimming—to help triathletes and swimmers overhaul their swim stroke and find the speed that's been eluding them. With a commonsense approach that comes from decades of practice and years of hands-on coaching experience, Taormina shows swimmers how to transition to faster swimming. *Swim Speed Secrets* includes: The best drills to cultivate a more sensitive feel for the water Dryland and strength building exercises to develop arm position and upper body musculature Crisp photos of Olympic swimmers and variations in their high-elbow underwater pull Clear descriptions of the key moments of the underwater pull Tips that helped her perform at a world-class level for two decades Sheila Taormina's *Swim Speed Secrets* brings the focus back where it belongs—to a powerful underwater stroke. With this approach, triathletes and swimmers can stop swimming for survival and break through to new levels of speed and confidence in the water.

16 week sprint triathlon training plan beginner: *Daniels' Running Formula* Jack Daniels, 2014 Recommended by Runner's World magazine as the best training book by the world's greatest coach, *Daniels' Running Formula* provides an expert training and racing blueprint for dedicated

runners of all abilities.

16 week sprint triathlon training plan beginner: Triathlon for Beginners Dan Golding, 2012-07-08 Are you thinking about getting into triathlon or doing your first race? Have you finished a couple of races and are keen to improve your time? Do you find the whole sport daunting and confusing? Are you a little intimidated by everybody else who looks like they know what they are doing? This easy to understand and insightful book is packed with practical ways you can improve and it will help you: -Understand the sport of triathlon what is triathlon and how does it work? -Develop a training plan together that simplifies your season -Train effectively so you minimise the risk of getting injured -Stop you making the mistakes which cost a lot of time and money -Make you feel confident when you are on the start line -Decide what race length is best for you from sprint to Ironman -Buy the right triathlon kit to suit your ability and your aspirations A personal note from the author: This book is gathered from years of training and racing but not only from my triathlon experience but from the experience of champions. I have trained with and raced with elite athletes and winners from all over the world but I started not knowing what I was doing and was scared to death when I did my first race. I wish I had this book when I started out. I would have saved myself a lot of heart ache and stress! I wrote this to help all triathlon rookies get over their nerves and enjoy this fantastic sport. Triathlon for beginners is the start to finish complete guide which covers all the areas of training and racing including: -Where to start - types of races, what you need to know and where to begin -Jargon buster - helping you understand the terms of the sport so you can understand what people are talking about when they say T1 or Brick! -Training rules and techniques -Swimming technique and etiquette -Running technique and how to prevent injury and run faster -Cycling in a pack what to do and what not to do -Transition - how to lay it out, what to bring and how to be effective -Understanding nutrition and why it is key, how best to manage your nutrition and what is best to eat for triathlon training and racing -Race day - what to look out for, how to prepare and what to expect This guide takes you from start to finish so you can feel confident and comfortable when you train and race. Here are some of the comments we have had from readers... I loved this book! I have completed a few triathlons- sprint and Olympic distance. This book really simplified what is important to focus on. There is so much to know and learn that sometimes you feel overwhelmed. It is an easy, entertaining read but packed with good knowledge that made a big difference to my racing. Charlotte Campbell, World Games triathlon gold medallist I wish this was around before! I did a number of Triathlons over the last few years. When I first took it up I had to ask people's advice which at best was disjointed and worst, confusing. I also read some very good stuff on the internet, however this was also disjointed and incomplete. This book would have been ideal, as it puts it all together clearly and concisely. Liam Harrington; sprint triathlete

16 week sprint triathlon training plan beginner: The Science of Running Steve Magness, 2014 Reviews of The Science of Running: The Science of Running sets the new standard for training theory and physiological data. Every veteran and beginner distance coach needs to have this on their book shelf.-Alan Webb American Record Holder-Mile 3:46.91 For anyone serious about running, The Science of Running offers the latest information and research for optimizing not only your understanding of training but also your performance. If you want to delve deeper into the world of running and training, this book is for you. You will never look at running the same.-Jackie Areson, 15th at the 2013 World Championships in the 5k. 15:12 5,000m best If you are looking for how to finish your first 5k, this book isn't for you. The Science of Running is written for those of us looking to maximize our performance, get as close to our limits as possible, and more than anything find out how good we can be, or how good our athletes can be. In The Science of Running, elite coach and exercise physiologist Steve Magness integrates the latest research with the training processes of the world's best runners, to deliver an in depth look at how to maximize your performance. It is a unique book that conquers both the scientific and practical points of running in two different sections. The first is aimed at identifying what limits running performance from a scientific standpoint. You will take a tour through the inside of the body, learning what causes fatigue, how we produce energy to run, and how the brain functions to hold you back from super-human performance. In section two,

we turn to the practical application of this information and focus on the process of training to achieve your goals. You will learn how to develop training plans and to look at training in a completely different way. The Science of Running does not hold back information and is sure to challenge you to become a better athlete, coach, or exercise scientist in covering such topics as:

- What is fatigue? The latest research on looking at fatigue from a brain centered view.
- Why VO2max is the most overrated and misunderstood concept in both the lab and on the track
- Why zone training leads to suboptimal performance.
- How to properly individualize training for your own unique physiology.
- How to look at the training process in a unique way in terms of stimulus and adaptation.
- Full sample training programs from 800m to the marathon.

16 week sprint triathlon training plan beginner: Run Fast Hal Higdon, 1992 Hal Higdon shows runners of every calibre how to train and run short, popular 5, 8 and 10 kilometre races faster with added information on how to recuperate and stay focused when the going gets rough.

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